

CITY OF JOLIET, ILLINOIS

FOREST PARK PHASE 2 WATER MAIN IMPROVEMENTS

CITY OF JOLIET CONTRACT NO. 2532-0121

IEPA LOAN NO. L17-5431



NO SCALE

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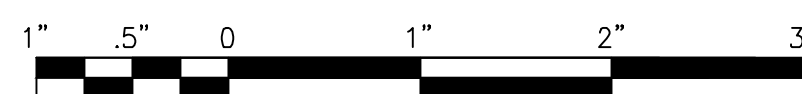
J.U.L.I.E. DESIGN STAGE REQUEST
DIG NO. A1412127
EXISTING UTILITIES:
WHERE THE DRAWINGS INCLUDE INFORMATION PERTAINING TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES, SUCH INFORMATION REPRESENTS ONLY THE OPINION OF THE ENGINEER AS TO THE LOCATION OF SUCH UTILITIES. THE INFORMATION IS INCLUDED ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. THE UTILITY LOCATIONS WERE DETERMINED FROM THE BEST AVAILABLE RECORDS. THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY WHATEVER WITH RESPECT TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE DRAWINGS REGARDING THE LOCATION OF UNDERGROUND UTILITY FACILITIES OR THE MANNER IN WHICH THEY ARE TO BE REMOVED OR ADJUSTED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES. THE CONTRACTOR SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION REGARDING THE LOCATION OF THE UTILITY FACILITIES AND THE WORKING SCHEDULES OF THE UTILITY COMPANIES FOR REMOVING OR ADJUSTING THE FACILITIES.

PROJECT MANAGER
"LICENSE EXPIRES 11-30-2021"

Alexis Stottor
PROJECT ENGINEER



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STATE OF ILLINOIS – PROFESSIONAL DESIGN FIRM
LICENSE NO. – 184-001121 – EXPIRES 4/30/2021

PROJECT NO.: 200414.40 DATE: 10/23/20

LEGEND	
EXISTING	PROPOSED

LEGEND	
EXISTING	PROPOSED

BENCHMARKS (NAVD 88 DATUM)

B.M. # 55		RAILROAD SPIKE SET IN EAST FACE OF UTILITY POLE LOCATED AT THE REAR OF 1316 ARTHUR AVENUE AT THE NORTH END OF DORA AVENUE ELEV. = 612.57
B.M. # 57		RAILROAD SPIKE SET IN NORTHWEST FACE OF UTILITY POLE WITH LIGHT LOCATED AT 1312 LUTHER AVENUE ELEV. = 628.94
B.M. # 58		RAILROAD SPIKE SET IN EAST FACE OF UTILITY POLE WITH LIGHT LOCATED AT 1317 CALIFORNIA AVENUE ELEV. = 635.12
B.M. # 67		SOUTHEAST BOLT OF FIRE HYDRANT LOCATED AT THE SOUTHEAST CORNER OF WOODRUFF ROAD, AND ARTHUR AVENUE ELEV. = 630.21
B.M. # 68		RAILROAD SPIKE SET IN WEST FACE OF UTILITY POLE WITH LIGHT LOCATED AT 1023 ARTHUR AVENUE ELEV. = 628.36
B.M. # 69		RAILROAD SPIKE SET IN EAST FACE OF UTILITY POLE WITH LIGHT LOCATED AT 1004 ARTHUR AVENUE ELEV. = 616.73
B.M. # 70		RAILROAD SPIKE SET IN SOUTHEAST FACE OF UTILITY POLE WITH LIGHT LOCATED AT THE NORTHWEST CORNER MAGNOLIA AVENUE, AND E. WILLIAMSON AVENUE ELEV. = 615.00
B.M. # 71		RAILROAD SPIKE SET IN EAST FACE OF UTILITY POLE WITH LIGHT LOCATED AT 1101 MAGNOLIA AVENUE ELEV. = 625.39
B.M. # 72		SOUTHWEST BOLT OF FIRE HYDRANT LOCATED AT THE SOUTHEAST CORNER OF MAGNOLIA AVENUE AND WOODRUFF ROAD ELEV. = 625.45
B.M. # 83		SOUTHEAST BOLT OF FIRE HYDRANT LOCATED AT 1008 WOODRUFF ROAD ELEV. = 628.18
B.M. # 84		RAILROAD SPIKE SET IN EAST FACE UTILITY POLE WITH LIGHT LOCATED AT ON THE WEST SIDE OF DORA AVENUE AT THE INTERSECTION OF DEMMOND STREET ELEV. = 621.56
B.M. # 85		RAILROAD SPIKE SET IN EAST FACE UTILITY POLE WITH LIGHT LOCATED AT THE SOUTHWEST CORNER OF GARVIN STREET AND DORA AVENUE ELEV. = 619.17
B.M. # 86		SOUTHWEST BOLT OF FIRE HYDRANT LOCATED AT THE SOUTHWEST CORNER OF GARVIN STREET AND LUTHER AVENUE ELEV. = 628.07
B.M. # 87		SOUTHWEST BOLT OF FIRE HYDRANT LOCATED AT THE SOUTHWEST CORNER OF GARVIN STREET AND CALIFORNIA AVENUE ELEV. = 639.26
B.M. # 88		SOUTHWEST BOLT OF FIRE HYDRANT LOCATED AT THE SOUTHWEST CORNER OF GARVIN STREET AND FULLER AVENUE ELEV. = 645.51
B.M. # 89		NAIL SET IN WEST FACE OF UTILITY POLE WITH LIGHT LOCATED AT THE NORTHEAST CORNER OF GARVIN STREET AND CUTTER AVENUE ELEV. = 642.96
B.M. # 90		RAILROAD SPIKE SET IN WEST FACE OF UTILITY POLE WITH LIGHT LOCATED AT THE SOUTHEAST CORNER OF FULLER AVENUE AND DEMMOND STREET ELEV. = 641.11
B.M. # 92		NORTHEAST BOLT OF FIRE HYDRANT LOCATED AT THE NORTHWEST CORNER OF FULLER AVENUE AND WOODRUFF ROAD ELEV. = 624.48
B.M. # 92		NORTHEAST BOLT OF FIRE HYDRANT LOCATED AT THE NORTHWEST CORNER OF FULLER AVENUE AND WOODRUFF ROAD ELEV. = 624.48
B.M. # 97		RAILROAD SPIKE SET IN WEST FACE OF UTILITY POLE LOCATED AT 1314 CUTTER AVENUE ELEV. = 642.45
B.M. # 99		RAILROAD SPIKE SET IN WEST FACE OF UTILITY POLE LOCATED AT 1316 CALIFORNIA AVENUE ELEV. = 645.59

ABBREVIATIONS

CONC	PORTLAND CEMENT CONCRETE	C&G	CURB AND GUTTER	X=	EXTERNAL DISTANCE OF VERTICAL CURVE
CL	CENTERLINE	BC	BACK OF CURB	PC	POINT OF CURVATURE
BIT	BITUMINOUS PAVEMENT	EOP	EDGE OF PAVEMENT	PI	POINT OF INTERSECTION
GR	GRAVEL	PL	PROPERTY LINE	PT	POINT OF TANGENCY
CMP	CORRUGATED METAL PIPE	ROW	RIGHT OF WAY	POT	POINT ON TANGENT
FH	FIRE HYDRANT	FL	FLOW LINE	PCC	POINT OF COMPOUND CURVATURE
CI	CAST IRON	TF	TOP OF FRAME	PRC	POINT OF REVERSE CURVE
DI	DUCTILE IRON	TC	TOP OF CURB OR CONCRETE	VC	VERTICAL CURVE
F-F	FACE-TO-FACE	R	STRUCTURE TO BE RECONSTRUCTED	N&W	NAIL AND WASHER
E-E	EDGE-TO-EDGE	A	STRUCTURE TO BE ADJUSTED	TCE	TEMPORARY CONSTRUCTION EASEMENT
B-B	BACK-TO-BACK	▲	CENTRAL ANGLE	SS	STORM SEWER
BM	BENCH MARK	D=	DEGREE OF CURVE	SAN SEW	SANITARY SEWER
INV EL	INVERT ELEVATION	T=	TANGENT LENGTH	PROP	PROPOSED
CL EL	CENTERLINE ELEVATION	L=	CURVE LENGTH	STN STL	STAINLESS STEEL
P	POINT	R=	RADIUS OF CURVE	RJT	RESTRAINED JOINT
G	GUTTER	E=	EXTERNAL DISTANCE	HDD	HORIZONTAL DIRECTIONALLY DRILLED
C	CURB	SE=	SUPERELEVATION (FT. PER FT. OF WIDTH)	LF	LINEAR FEET

TO BID

I:\MOKENA\JULTC\200414-2021 WATER MAIN IMPR\CAD\FORREST PARK PHASE 2\DWGS\CURRENT\200414-COVER_GEN_DET-FOREST PARK I.DWG 2 LEGENDS
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CITY OF JOLIET, ILLINOIS
FOREST PARK PHASE 2 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2532-0121

LEGENDS, BENCHMARKS, AND ABBREVIATIONS	
SCALE:	AS NOTED
PROJECT NO:	200414.40

DESIGNED -	TOTAL SHEETS	SHEET NO.
ARS	24	2
DRAWN - ABN/TJB		
CHECKED - LMS		
DATE - 10/23/20		

CITY OF JOLIET WATER SYSTEM GENERAL NOTES

- VERIFY LOCATION, SIZE, AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION OF THE WATER MAIN. THE LOCATIONS OF EXISTING UTILITIES AS SHOWN ON THE DRAWINGS HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND IS GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER AND OWNER DO NOT ASSUME RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES AND LOCATE UTILITIES PRIOR TO ANY WORK.
- WHENEVER IT BECOMES NECESSARY TO RELOCATE UNDERGROUND GAS MAINS, TELEPHONE CONDUIT, OR ELECTRICAL LINES OR SUPPORT OR RELOCATE UTILITY POLES, THE UTILITY COMPANY INVOLVED WILL MAKE SUCH RELOCATION OR PROVIDE POLE SUPPORT. NOTIFY THE UTILITY COMPANY PROMPTLY. THIS WORK WILL BE INCIDENTAL TO THE CONTRACT.
- WHEREVER OBSTRUCTIONS NOT SHOWN ON THE DRAWINGS ARE ENCOUNTERED DURING THE PROGRESS OF THE WORK AND INTERFERE TO SUCH AN EXTENT THAT ALTERATIONS TO THE DRAWINGS ARE REQUIRED, THE ENGINEER SHALL BE NOTIFIED PRIOR TO ANY CHANGES.
- HORIZONTAL AND VERTICAL SEPARATION OF WATER MAINS AND SEWER LINES SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE "STANDARD SPECIFICATION FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS".
- PROVIDE 48 HOURS ADVANCE NOTICE TO THE CITY WHEN CONNECTION TO AN EXISTING WATER MAIN WILL BE MADE. COORDINATE SHUTDOWN OF EXISTING WATER MAINS WHEN REQUIRED WITH THE CITY. SCHEDULE THE WORK TO MINIMIZE THE NUMBER AND LENGTH OF SHUTDOWNS. PROVIDE WRITTEN NOTIFICATION OF SHUTDOWNS TO WATER USERS AFFECTED 24 HOURS IN ADVANCE.
- NOTIFY THE CITY'S PUBLIC UTILITIES DEPARTMENT IMMEDIATELY IF EXISTING LEAD WATER SERVICES ARE DISCOVERED.
- PROVIDE PROPERTY OWNERS ADVANCE NOTICE OF CONSTRUCTION ACTIVITIES THAT WILL RESTRICT THE USE OF THEIR DRIVEWAYS.
- DO NOT STORE BEDDING AND BACKFILL MATERIALS, PIPES, FITTINGS, VAULTS, OR OTHER MATERIALS IN AREAS THAT WILL OBSTRUCT SIGHT LINES FOR STREETS AND DRIVEWAYS.
- ALL PROPOSED WATER MAIN AND SERVICES UNDER AND WITHIN 2' OF PAVEMENT OR SIDEWALK SHALL BE BACKFILLED WITH TRENCH BACKFILL WHICH SHALL BE CRUSHED STONE, GRADATION CA 6 OR CA 7.
- INSTALL NEW WATER MAIN WITH A MINIMUM OF 5' COVER BELOW EXISTING OR PROPOSED GROUND SURFACE UNLESS GREATER DEPTH IS REQUIRED TO AVOID EXISTING UTILITIES OR WHERE INDICATED ON THE DRAWINGS.
- PROVIDE COMPRESSION TYPE FIRE HYDRANTS WITH A 5/8-INCH MINIMUM SIZE MAIN VALVE ASSEMBLY, O-RING SEALS, TWO 2 1/2-INCH HOSE NOZZLES, AND A 4 1/2-INCH PUMPER NOZZLE WITH NATIONAL STANDARD THREADS, A NATIONAL STANDARD OPERATING NUT, AND AN ABOVE GROUND BREAK FLANGE. COLOR FOR HYDRANTS ON POTABLE DISTRIBUTION MAINS SHALL BE RED, HYDRANTS ON RAW WATER MAINS SHALL BE GREEN. COLOR FOR PRIVATE SYSTEM HYDRANTS SHALL BE YELLOW. ACCEPTABLE MANUFACTURERS ARE CLOW MEDALLION, EJ 5BR250, OR MUELLER CENTURION A423.
- PROVIDE A TEMPORARY COVERING OVER ALL NEW FIRE HYDRANTS UNTIL ALL NEW WATER MAINS ARE PUT INTO SERVICE AND NEW FIRE HYDRANTS ARE OPERABLE.
- GATE VALVES SHALL BE IN ACCORDANCE WITH AWWA C515 (DUCTILE IRON BODY), BRONZE FITTED, RESILIENT WEDGE AND SEAT TYPE WITH NON-RISING STEM AND O-RING PACKING. ALL INTERNAL AND EXTERNAL SURFACES SHALL HAVE A FUSION BONDED EPOXY COATING. ACCEPTABLE VALVE MANUFACTURERS ARE AMERICAN FLOW CONTROL, CLOW, AND EJ.
- BUTTERFLY VALVES SHALL BE IN ACCORDANCE WITH AWWA C504 FOR PRESSURE CLASS 150B, CAST IRON BODY, RUBBER-SEATED, TIGHT CLOSING TYPE SUITABLE FOR BURIED SERVICE. ACCEPTABLE VALVE MANUFACTURERS ARE AMERICAN FLOW CONTROL, CLOW, AND EJ.
- LOCATE PRESSURE CONNECTIONS, IF INDICATED ON THE DRAWINGS OR WHEN DIRECTED BY THE ENGINEER, A MINIMUM OF 2' FROM ANY EXISTING REPAIR SLEEVES OR PIPE JOINTS.
- THE CITY OF JOLIET WATER DEPARTMENT SHALL BE RESPONSIBLE FOR COMPLETING ALL TAPS TO EXISTING WATER MAINS. CONTRACTOR WILL BE RESPONSIBLE FOR CALLING 815-724-4230 TO SCHEDULE AN APPOINTMENT WITH THE CITY WATER DEPARTMENT. APPOINTMENTS ARE AVAILABLE ON TUESDAYS AND THURSDAYS.
- SUCCESSFULLY TEST, DISINFECT, AND FLUSH WATER MAIN, AND OBTAIN ACCEPTANCE OF THE WATER MAIN BY THE CITY OF JOLIET, PRIOR TO MAKING WATER SERVICE CONNECTIONS. FLUSH PIPELINES TO OBTAIN A VELOCITY OF 2.5 FT/S PER AWWA STANDARD C651.
- USE MECHANICAL JOINT FITTINGS TO PLUG/CAP EXISTING WATER MAINS TO REMAIN IN SERVICE AND FOR EXISTING WATER MAINS TO BE ABANDONED. PLUGS/CAPS ON WATER MAIN TO REMAIN IN SERVICE SHALL INCLUDE AN ADEQUATELY SIZED CAST-IN-PLACE CONCRETE THRUST BLOCK.
- AS-BUILT DRAWINGS SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS THE PROJECT IS COMPLETED. ANY CHANGE IN THE LENGTH, LOCATION, OR ALIGNMENT SHALL BE SHOWN IN RED.
- EROSION CONTROL WILL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AS CONTAINED IN IEPA/WPC/87-012 OR CURRENT EDITION.
- REPLACE ALL CONCRETE SIDEWALKS DISTURBED BY CONSTRUCTION TO THE NEAREST CONSTRUCTION JOINT. A MAXIMUM LENGTH OF TEN LINEAL FEET PER CROSSING WILL BE UTILIZED FOR PAY QUANTITY CALCULATIONS.
- PAVEMENT RESTORATION WILL BE MEASURED IN PLACE AND THE AREA COMPUTED IN SQUARE YARDS. ALL AREAS DISTURBED WILL BE REPLACED, BUT THE MAXIMUM ALLOWABLE WIDTHS USED FOR PAY QUANTITY CALCULATIONS WILL BE 6 FEET CENTERED ON THE PIPE. IF THE CONTRACTOR RELOCATES THE TRENCH AWAY FROM THE CURB AND GUTTER, THE PAVEMENT PATCH WILL EXTEND FROM THE SAWCUT IN THE EXISTING PAVEMENT TO THE FACE OF THE GUTTER AND THE MAXIMUM ALLOWABLE WIDTH OF 6 FEET WILL BE USED FOR PAY QUANTITY CALCULATIONS.
 - MAGNOLIA AVENUE, DORA AVENUE, LUTHER AVENUE, FULLER AVENUE, ARTHUR AVENUE, CALIFORNIA AVENUE, WILLIAMSON AVENUE, AND ALLEY SHALL HAVE 2.5 INCHES OF BINDER AND 1.5 INCHES OF SURFACE COURSE.
 - CUTTER AVENUE, WOODRUFF ROAD, AND GARVIN STREET SHALL HAVE 4 INCHES OF BINDER AND 2 INCHES OF SURFACE COURSE.
- IT SHALL BE THE CONTRACTOR'S DUTY AND RESPONSIBILITY TO ASCERTAIN AND EXECUTE THE MEANS, METHODS, AND SEQUENCE OF CONSTRUCTION IN ACCORDANCE WITH THE DRAWINGS, SPECIFICATIONS, AND OTHER CONTRACT DOCUMENTS. THIS SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO, THE EXCLUSIVE DUTY AND RESPONSIBILITY TO PROVIDE FOR WORKPLACE SAFETY AND WORKER SUPERVISION. IT SHALL EXCLUSIVELY BE THE CONTRACTOR'S DUTY AND RESPONSIBILITY TO INVESTIGATE AND ASCERTAIN THE CURRENT PHYSICAL STATE AND OPERATIONAL STATUS OF THE CITY'S WATER SUPPLY SYSTEM AND THE CITY'S SANITARY SEWER SYSTEM, INCLUDING WHETHER A WATER MAIN OR OTHER VESSEL IS OPERATIONAL, CONTAINS WATER, IS PRESSURIZED, OR IS OTHERWISE SAFE TO ALTER. ANY INFORMATION PROVIDED BY THE CITY, OR ITS EMPLOYEES AND CONSULTANTS, REGARDING THE STATE OF ITS WATER SUPPLY AND SANITARY SEWER SYSTEMS IS PROVIDED AS A COURTESY TO THE CONTRACTOR BUT IS NOT WARRANTED TO BE TRUE AND MAY NOT BE RELIED ON BY THE CONTRACTOR IN SATISFACTION OF, OR TO DIMINISH, ITS EXCLUSIVE DUTY TO ASCERTAIN AND EXECUTE THE MEANS, METHODS, AND SEQUENCES OF CONSTRUCTION IN ACCORDANCE WITH THE DRAWINGS, SPECIFICATIONS, AND OTHER CONTRACT DOCUMENTS AND ITS EXCLUSIVE RESPONSIBILITY TO PROVIDE FOR WORKPLACE SAFETY AND WORKER SUPERVISION.
- WATER SERVICE INSTALLATION WORK MUST BEGIN WITHIN 7 DAYS OF IEPA APPROVAL. FINAL PAVEMENT RESTORATION MUST BE COMPLETED WITHIN 21 DAYS AFTER THE LAST COMPLETED WATER SERVICE CONNECTION ON ANY ONE STREET OR MOVING THE EXCAVATION CREW AND EQUIPMENT TO ANOTHER STREET. THE CONTRACTOR HAS THE OPTION TO INSTALL TEMPORARY PAVEMENT AT NO ADDITIONAL COST TO THE CITY WITHIN 7 CALENDAR DAYS. THE CITY CAN STOP OPERATIONS UNTIL TEMPORARY PAVEMENT IS PLACED OR PERMANENT PAVEMENT RESTORATION IS COMPLETE.

SUMMARY OF QUANTITIES

No.	PAY ITEM	UNIT	QUANTITY
1	PRECONSTRUCTION VIDEO RECORDING	LSUM	1
2	TRAFFIC CONTROL AND PROTECTION	LSUM	1
3	GRANULAR TRENCH BACKFILL	CUYD	4490
4	DUCTILE IRON WATER MAIN (OPEN CUT), 6-INCH	FOOT	321
5	DUCTILE IRON WATER MAIN (OPEN CUT), 6-INCH, RJT	FOOT	249
6	DUCTILE IRON WATER MAIN (OPEN CUT), 8-INCH	FOOT	5338
7	DUCTILE IRON WATER MAIN (OPEN CUT), 8-INCH, RJT	FOOT	1485
8	DUCTILE IRON WATER MAIN (OPEN CUT), 12-INCH	FOOT	331
9	DUCTILE IRON WATER MAIN (OPEN CUT), 12-INCH, RJT	FOOT	116
10	MISCELLANEOUS FITTINGS	POUND	9000
11	WATER SERVICE CONNECTION TO WATER MAIN, 1-INCH	EACH	106
12	WATER SERVICE CONNECTION TO WATER MAIN, 1.5-INCH	EACH	6
13	WATER SERVICE LINE TYPE K - OPEN CUT, 1-INCH	FOOT	779
14	WATER SERVICE LINE TYPE K - DIRECTIONAL DRILLING, 1-INCH	FOOT	1493
15	WATER SERVICE LINE TYPE K - OPEN CUT, 1.5-INCH	FOOT	45
16	WATER SERVICE LINE TYPE K - DIRECTIONAL DRILLING, 1.5-INCH	FOOT	90
17	WATER SERVICE LINE TYPE L, 1-INCH	FOOT	100
18	WATER SERVICE LINE TYPE L, 1.5-INCH	FOOT	100
19	PROJECT MANAGEMENT	HOURL	20
20	WATER SERVICE CONNECTION ON PRIVATE PROPERTY - BASEMENT OR CRAWL SPACE	EACH	5
21	WATER SERVICE CONNECTION ON PRIVATE PROPERTY - SLAB	EACH	5
22	UTILITY LOCATION - PRIVATE PROPERTY	EACH	10
23	WATER METER RELOCATION	EACH	10
24	CONNECT TO WATER MAIN (NON-PRESSURE), 6-INCH	EACH	2
25	CONNECT TO WATER MAIN (NON-PRESSURE), 8-INCH	EACH	16
26	CONNECT TO WATER MAIN (NON-PRESSURE), 12-INCH	EACH	2
27	GATE VALVE, 8-INCH	EACH	18
28	GATE VALVE, 12-INCH	EACH	2
29	VALVE VAULT, 4-FOOT DIAMETER	EACH	4
30	VALVE VAULT, 5-FOOT DIAMETER	EACH	2
31	VALVE BOX	EACH	13
32	VALVE VAULT (ADDITIONAL DEPTH)	VFT	5
33	FIRE HYDRANT	EACH	16
34	FIRE HYDRANT BARREL EXTENSION	VFT	5
35	LINE STOP, 6-INCH	EACH	1
36	LINE STOP, 8-INCH	EACH	1
37	LINE STOP, 10-INCH	EACH	1
38	LINE STOP, 12-INCH	EACH	1
39	FIRE HYDRANT TO BE REMOVED	EACH	17
40	VALVE VAULT TO BE REMOVED	EACH	9
41	VALVE BOX TO BE REMOVED	EACH	1
42	ABANDON EXISTING WATER MAIN	EACH	12
43	INLET PROTECTION FILTER	EACH	41
44	TEMPORARY HOT-MIX ASPHALT PAVEMENT	SQYD	100
45	HOT-MIX ASPHALT REMOVAL AND REPLACEMENT, 2.5" BINDER 1.5" SURFACE	SQYD	5190
46	HOT-MIX ASPHALT REMOVAL AND REPLACEMENT, 4" BINDER 2" SURFACE	SQYD	350
47	HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT, 3-INCH	SQYD	10
48	PCC DRIVEWAY REMOVAL AND REPLACEMENT, 6-INCH	SQYD	70
49	BRICK DRIVEWAY REMOVAL AND REPLACEMENT	SQYD	60
50	GRAVEL SHOULDER RESTORATION	FOOT	150
51	CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	200
52	PCC SIDEWALK REMOVAL AND REPLACEMENT	SQFT	1430
53	PAVEMENT MARKING, 24-INCH (THERMOPLASTIC)	FOOT	50
54	RESTORATION OF LAWNS AND PARKWAYS	SQYD	6120
55	REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL	CUYD	90
56	CONTAMINATED WASTE DISPOSAL	CUYD	90
57	REMOVAL OF B-BOX	EACH	112
58	REMOVE AND REPLACE DRAIN TILES, 6-INCH THROUGH 12-INCH	FOOT	180
59	ADJUSTING SANITARY SEWER SERVICE LINE	EACH	18
60	EXPLORATORY EXCAVATION	EACH	12
61	TREE TRIMMING	LSUM	5
62	TREE REMOVAL AND REPLACEMENT	EACH	1
63	TREE ROOT PRUNING	EACH	3
64	MOVE AND RESET BENCH AND FIRE PIT	EACH	1
65	LANDSCAPING PROJECT MANAGEMENT	HOURL	4
66	INDIVIDUAL LANDSCAPING	EACH	2
67	CLEARING	LSUM	1
68	WATER SERVICE LOCATE	LSUM	1

I:\MOKEMA\JOLITC\200414-2021 WATER MAIN IMPR\CAD\FORREST PARK PHASE 2\DWGS\CURRENT\200414-COVER_GEN_DET-FOREST PARK I.DWG 3 GENERAL-SOO
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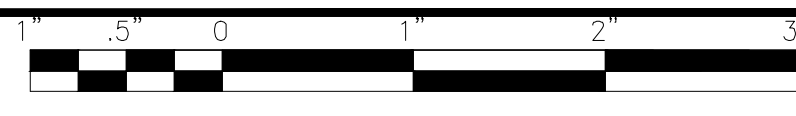
**CITY OF JOLIET, ILLINOIS
FOREST PARK PHASE 2 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2532-0121**

GENERAL NOTES, AND SUMMARY OF QUANTITIES

SCALE: AS NOTED PROJECT NO: 200414.40

DESIGNED - ARS	TOTAL SHEETS	SHEET NO.
DRAWN - ABN/TJB	24	3
CHECKED - LMS		
DATE - 10/23/20		

TO BID



NOTE:
WHERE NEW WATER MAIN CROSSES WITH EXISTING STORM SEWERS, STORM SEWER PIPE ON THIS SHEET IN THE PROJECT AREA HAS BEEN PREVIOUSLY INSTALLED AS RCP WITH RUBBER GASKET SEALS IN COMPLIANCE WITH ASTM C361 OR ASTM C443, WHICH IS ACCEPTABLE ACCORDING TO THE DRINKING WATER PERMITS FAQ ON THE IEPA WEBSITE.

44 L.F. OF 6" RJT DI WATER MAIN,
(1) 6" X 6" TEE, (1) FIRE HYDRANT,
(1) 6" CAP

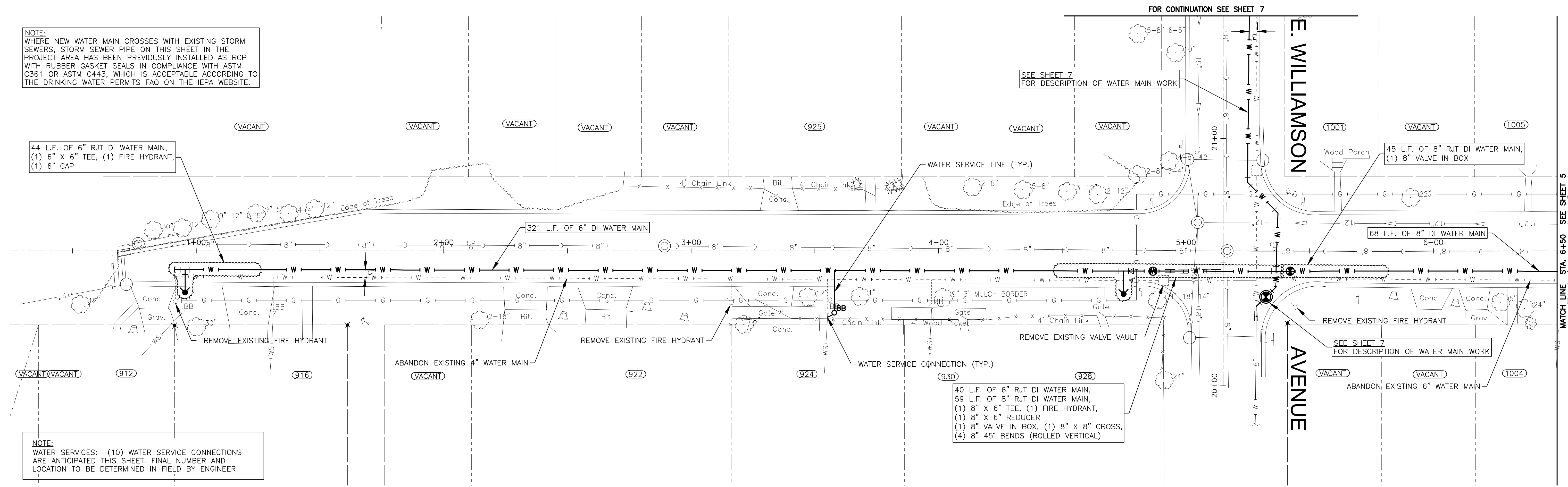
321 L.F. OF 6" DI WATER MAIN

SEE SHEET 7
FOR DESCRIPTION OF WATER MAIN WORK

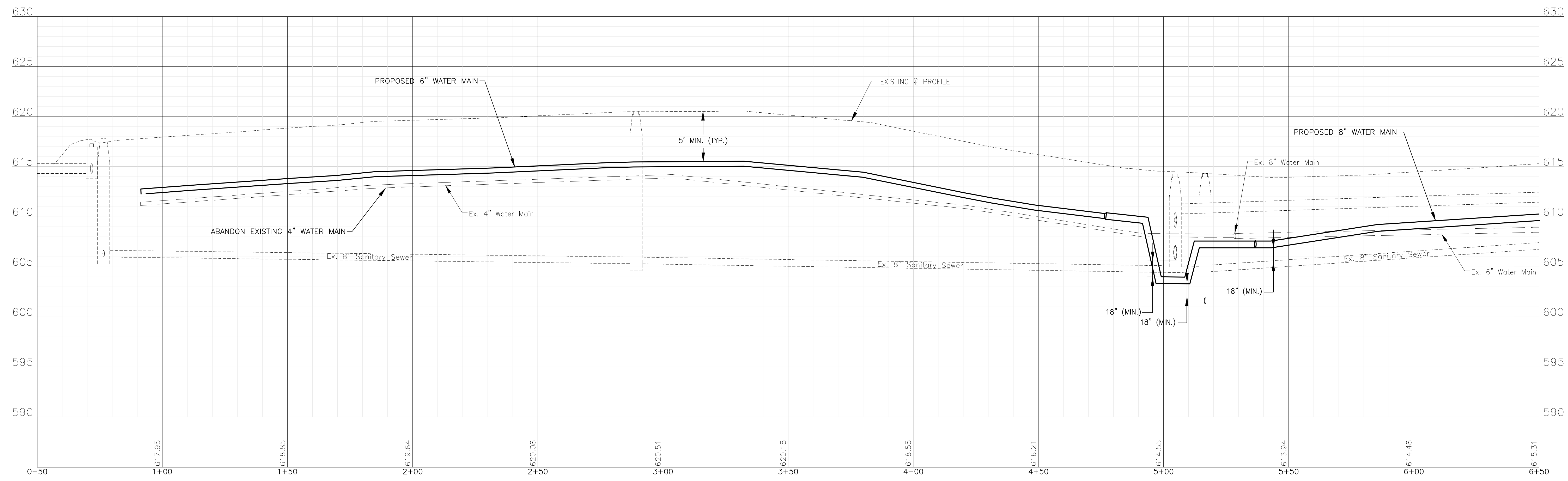
45 L.F. OF 8" RJT DI WATER MAIN,
(1) 8" VALVE IN BOX

40 L.F. OF 6" RJT DI WATER MAIN,
59 L.F. OF 8" RJT DI WATER MAIN,
(1) 8" X 6" TEE, (1) FIRE HYDRANT,
(1) 8" X 6" REDUCER
(1) 8" VALVE IN BOX, (1) 8" X 8" CROSS,
(4) 8" 45° BENDS (ROLLED VERTICAL)

NOTE:
WATER SERVICES: (10) WATER SERVICE CONNECTIONS
ARE ANTICIPATED THIS SHEET. FINAL NUMBER AND
LOCATION TO BE DETERMINED IN FIELD BY ENGINEER.



MAGNOLIA AVENUE



I:\MOKEMA\JUL13\200414-2021 WATER MAIN IMPR\CAD\FORREST PARK PHASE 2\DWGS\CURRENT\200414-FORRESTPARK_2-DESIGN-SHEETS-C3D.DWG 0+50.00
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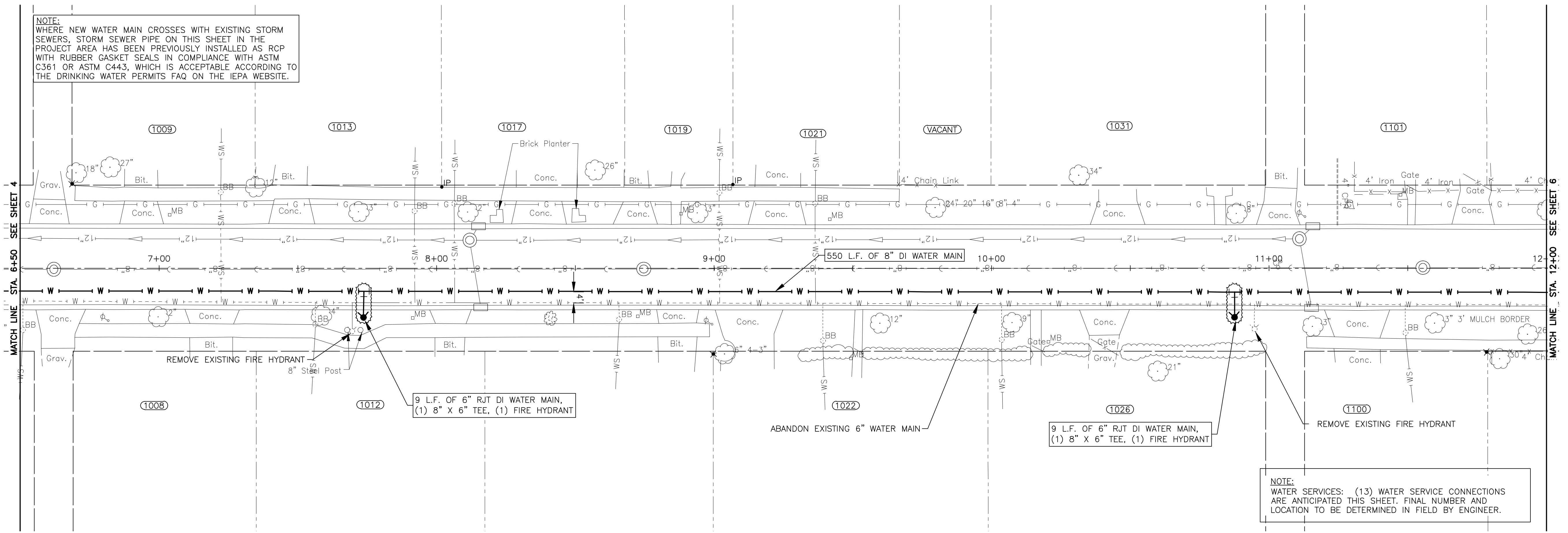
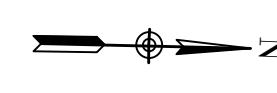
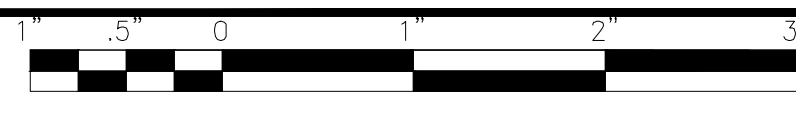
CONSULTANTS	REVISED -
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CITY OF JOLIET, ILLINOIS
FOREST PARK PHASE 2 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2532-0121

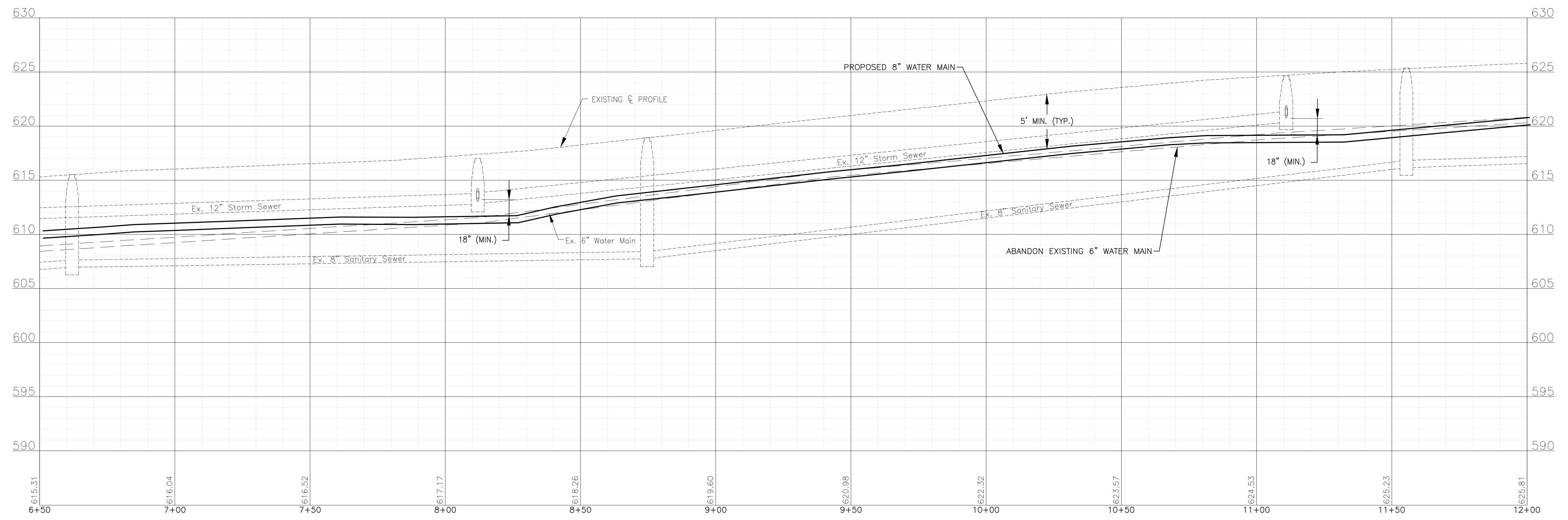
MAGNOLIA AVENUE STA. 0+50 TO STA. 6+50 PLAN AND PROFILE
 SCALE: HORIZ 1"=20' / VERT 1"=5'
 PROJECT NO: 200414.40

DESIGNED - ARS	TOTAL SHEETS	SHEET NO.
DRAWN - ABN/TJB	24	4
CHECKED - LMS		
DATE - 10/23/20		

TO BID



MAGNOLIA AVENUE



I:\MOKEMA\JUL20\200414-2021 WATER MAIN IMPR\CAD\FORREST PARK PHASE 2\DWGS\CURRENT\200414-FORRESTPARK_2-DESIGN-SHEETS-C3D.DWG 6+50.00
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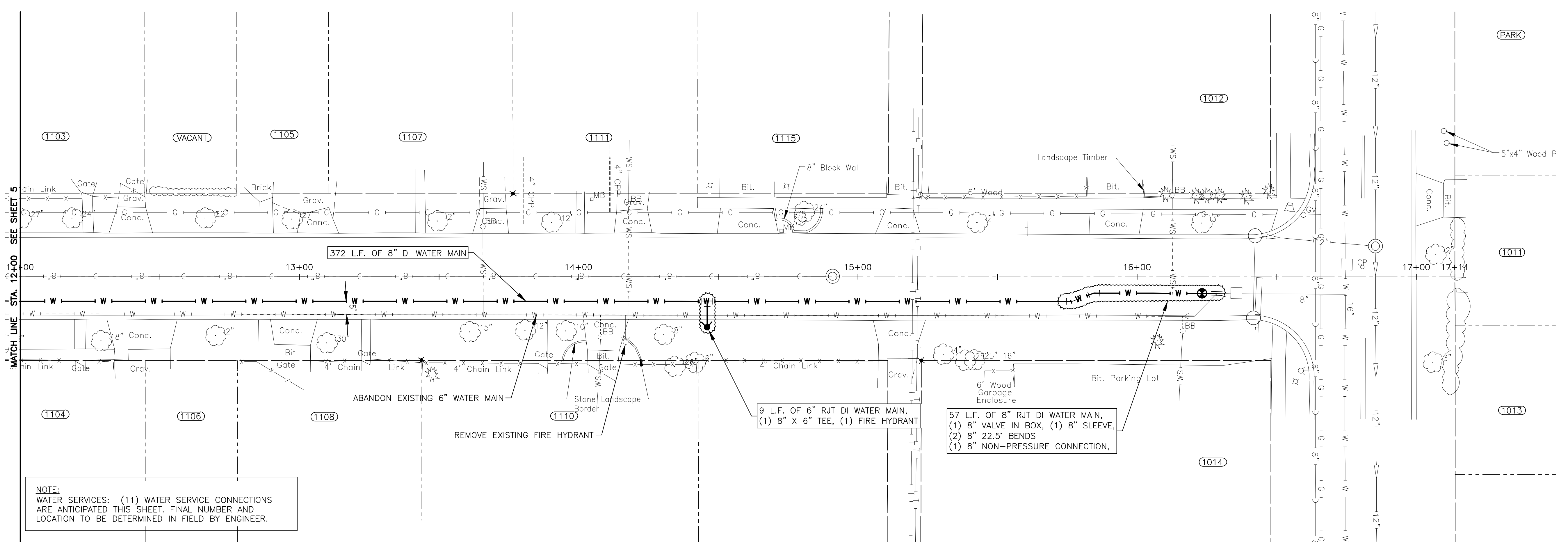
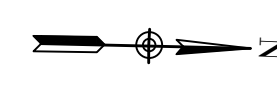
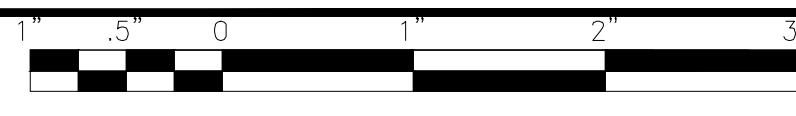
CONSULTANTS	REVISED -
	REVISED -
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	REVISED -

CITY OF JOLIET, ILLINOIS
FOREST PARK PHASE 2 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2532-0121

MAGNOLIA AVENUE STA. 6+50 TO STA. 12+00 PLAN AND PROFILE
 SCALE: HORIZ 1"=20' / VERT 1"=5'
 PROJECT NO: 200414.40

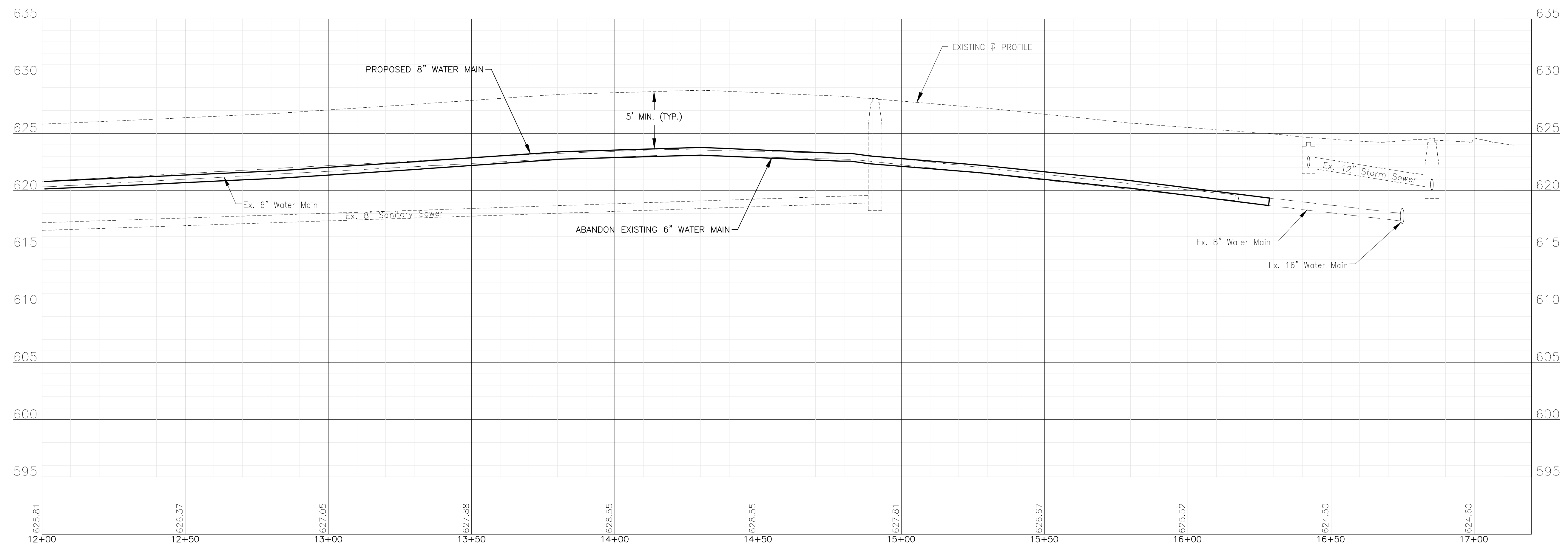
DESIGNED - ARS	TOTAL SHEETS	SHEET NO.
DRAWN - ABN/TJB	24	5
CHECKED - LMS		
DATE - 10/23/20		

TO BID



NOTE:
WATER SERVICES: (11) WATER SERVICE CONNECTIONS
ARE ANTICIPATED THIS SHEET. FINAL NUMBER AND
LOCATION TO BE DETERMINED IN FIELD BY ENGINEER.

MAGNOLIA AVENUE



I:\MOKEMA\JUL13\200414-2021 WATER MAIN IMPR\CAD\FORREST PARK PHASE 2\DWGS\CURRENT\200414-FORRESTPARK_2-DESIGN-SHEETS-C3D.DWG 12+00.00
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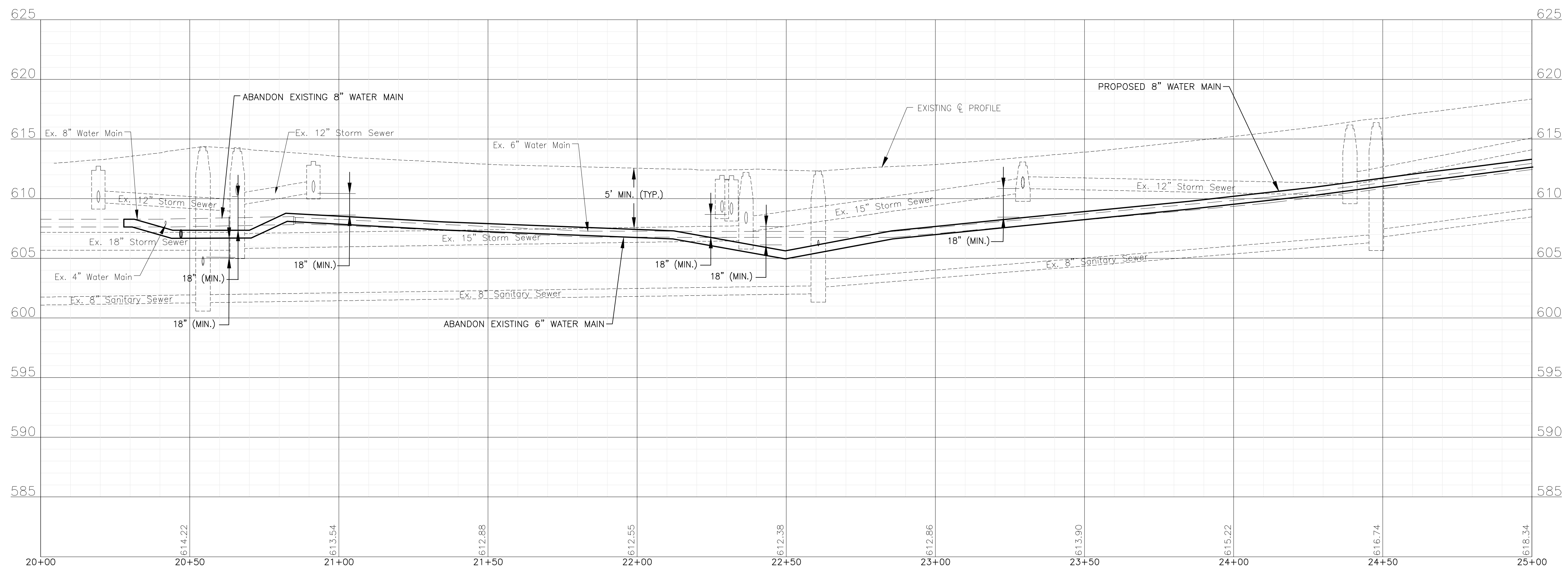
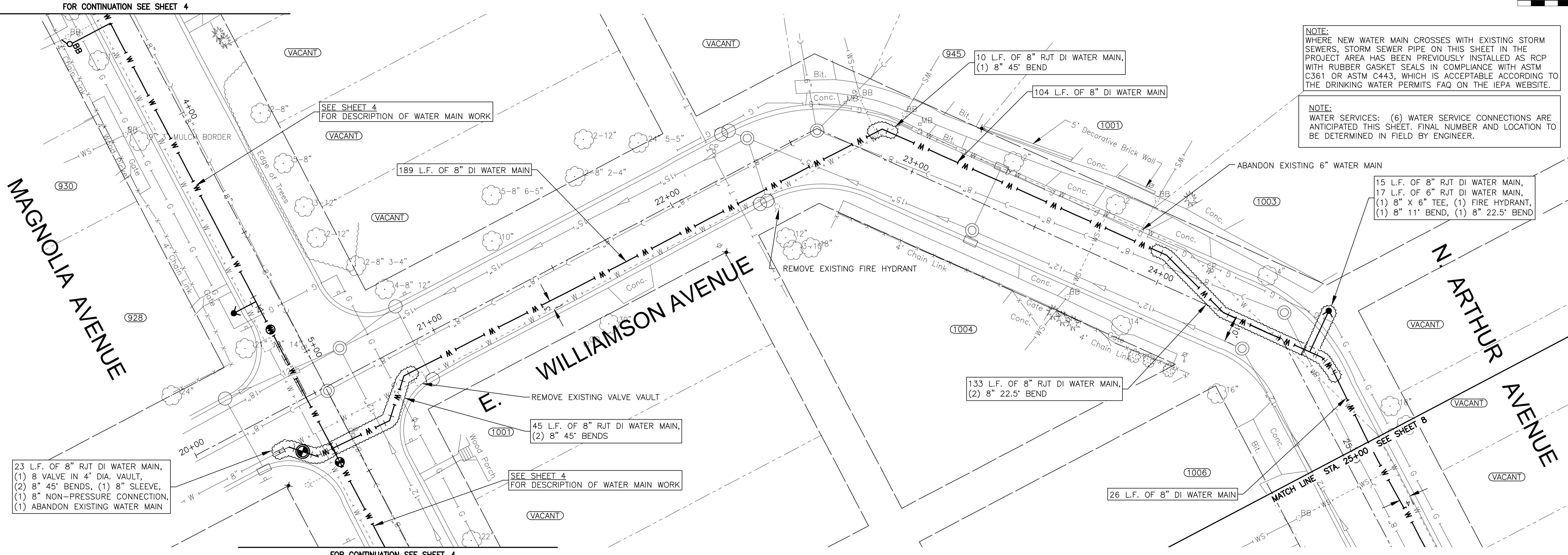
CONSULTANTS	REVISED -
	REVISED -
	REVISED -
	REVISED -

CITY OF JOLIET, ILLINOIS
FOREST PARK PHASE 2 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2532-0121

MAGNOLIA AVENUE STA. 12+00 TO STA. 17+00 PLAN AND PROFILE	
SCALE:	HORIZ 1"=20' / VERT 1"=5'
PROJECT NO:	200414.40

DESIGNED - ARS	TOTAL SHEETS	SHEET NO.
DRAWN - ABN/TJB	24	6
CHECKED - LMS		
DATE - 10/23/20		

TO BID



TO BID

I:\MOKEMA\JUL13\200414-2021 WATER MAIN IMPR\CAD\FORREST PARK PHASE 2\DWGS\CURRENT\200414-FORRESTPARK_2-DESIGN-SHEETS-C3D.DWG 20+00.00
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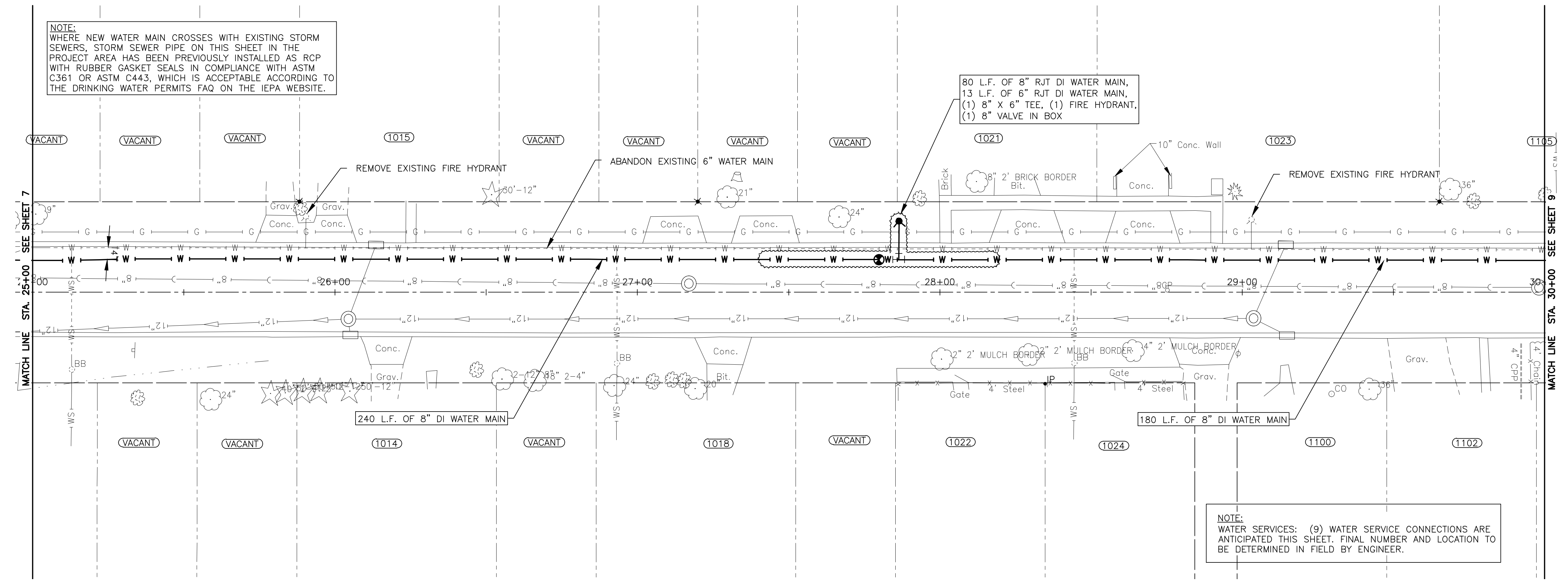


CONSULTANTS	REVISED -
	REVISED -
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	REVISED -

CITY OF JOLIET, ILLINOIS
FOREST PARK PHASE 2 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2532-0121

ARTHUR AVENUE STA. 20+00 TO STA. 25+00 PLAN AND PROFILE	
SCALE: HORIZ 1"=20' / VERT 1"=5'	PROJECT NO: 200414.40

DESIGNED - ARS	TOTAL SHEETS	SHEET NO.
DRAWN - ABN/TJB	24	7
CHECKED - LMS		
DATE - 10/23/20		



NOTE:
WHERE NEW WATER MAIN CROSSES WITH EXISTING STORM SEWERS, STORM SEWER PIPE ON THIS SHEET IN THE PROJECT AREA HAS BEEN PREVIOUSLY INSTALLED AS RCP WITH RUBBER GASKET SEALS IN COMPLIANCE WITH ASTM C361 OR ASTM C443, WHICH IS ACCEPTABLE ACCORDING TO THE DRINKING WATER PERMITS FAQ ON THE IEPA WEBSITE.

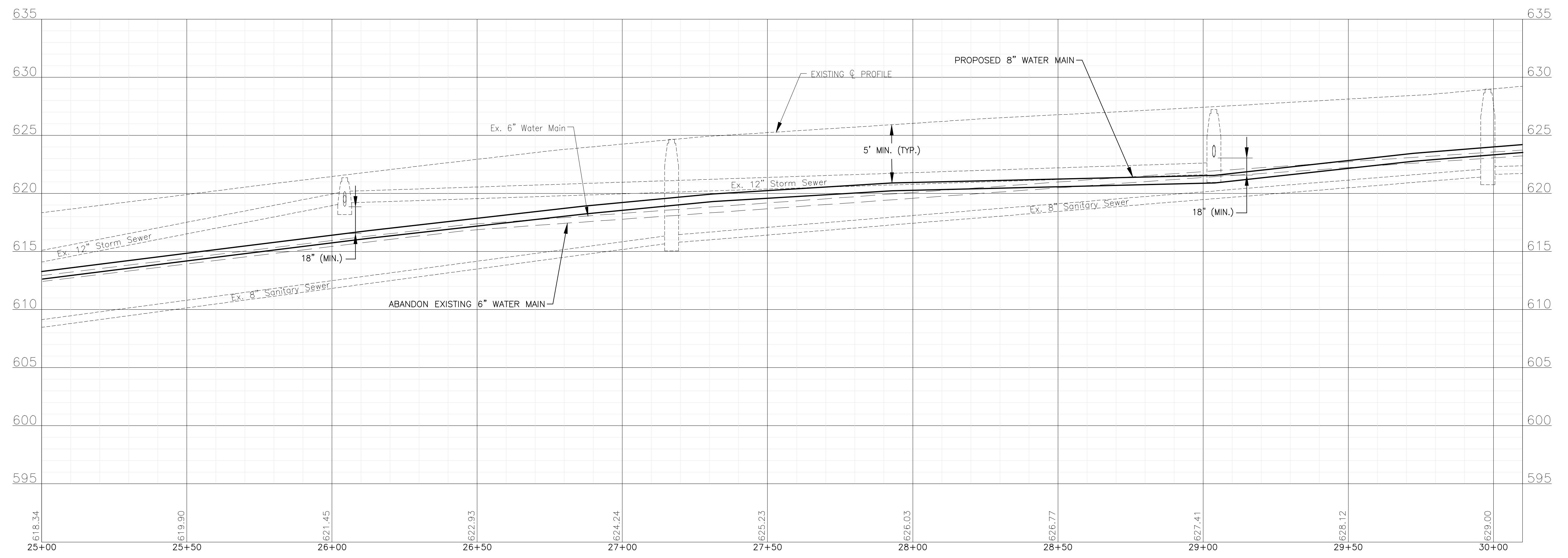
80 L.F. OF 8" RJT DI WATER MAIN,
13 L.F. OF 6" RJT DI WATER MAIN,
(1) 8" X 6" TEE, (1) FIRE HYDRANT,
(1) 8" VALVE IN BOX

240 L.F. OF 8" DI WATER MAIN

180 L.F. OF 8" DI WATER MAIN

NOTE:
WATER SERVICES: (9) WATER SERVICE CONNECTIONS ARE ANTICIPATED THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN FIELD BY ENGINEER.

N. ARTHUR AVENUE



I:\MOKEMA\JULTC\200414-2021 WATER MAIN IMPR\CAD\FORREST PARK PHASE 2\DWGS\CURRENT\200414-FORRESTPARK_2-DESIGN-SHEETS-C3D.DWG 25+00.00
 Plotted: 10/21/2020 9:57 AM By: 2711JTB
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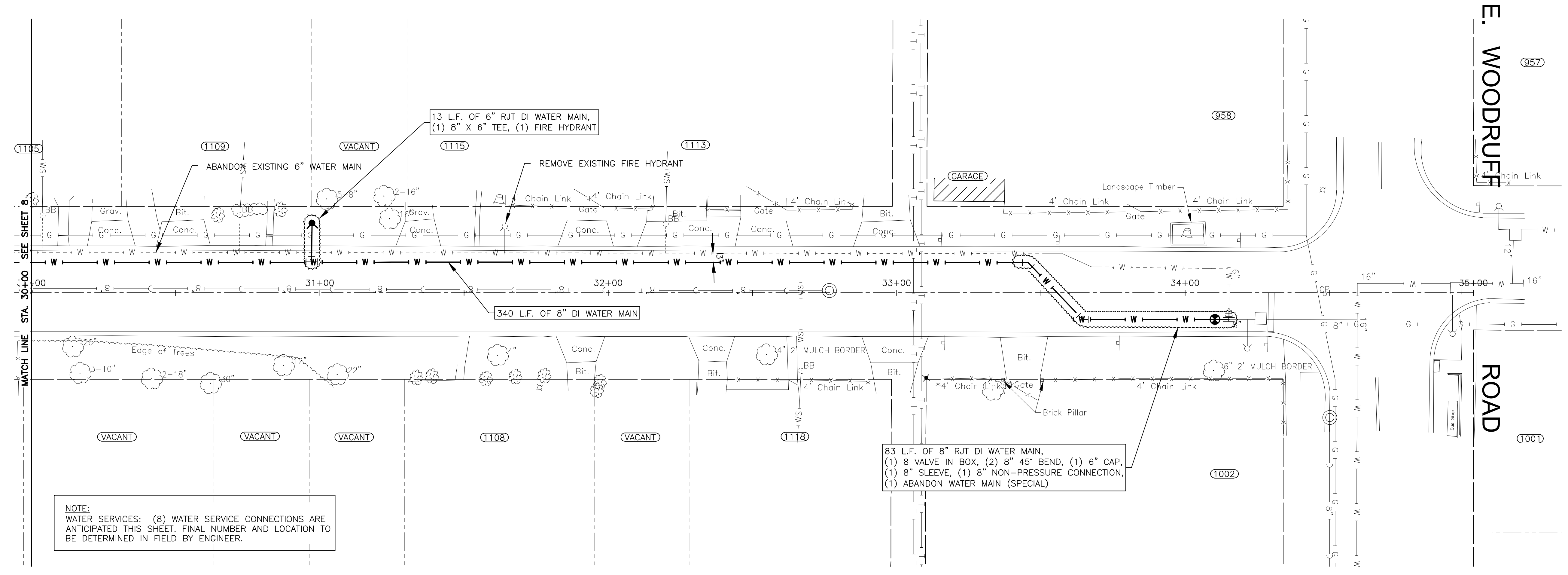
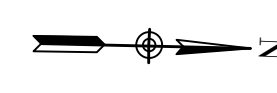
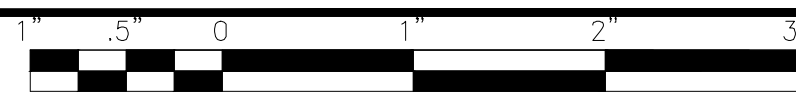
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	REVISED -
	REVISED -
	REVISED -

CITY OF JOLIET, ILLINOIS
FOREST PARK PHASE 2 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2532-0121

ARTHUR AVENUE STA. 25+00 TO STA. 30+00 PLAN AND PROFILE
 SCALE: HORIZ 1"=20' / VERT 1"=5'
 PROJECT NO: 200414.40

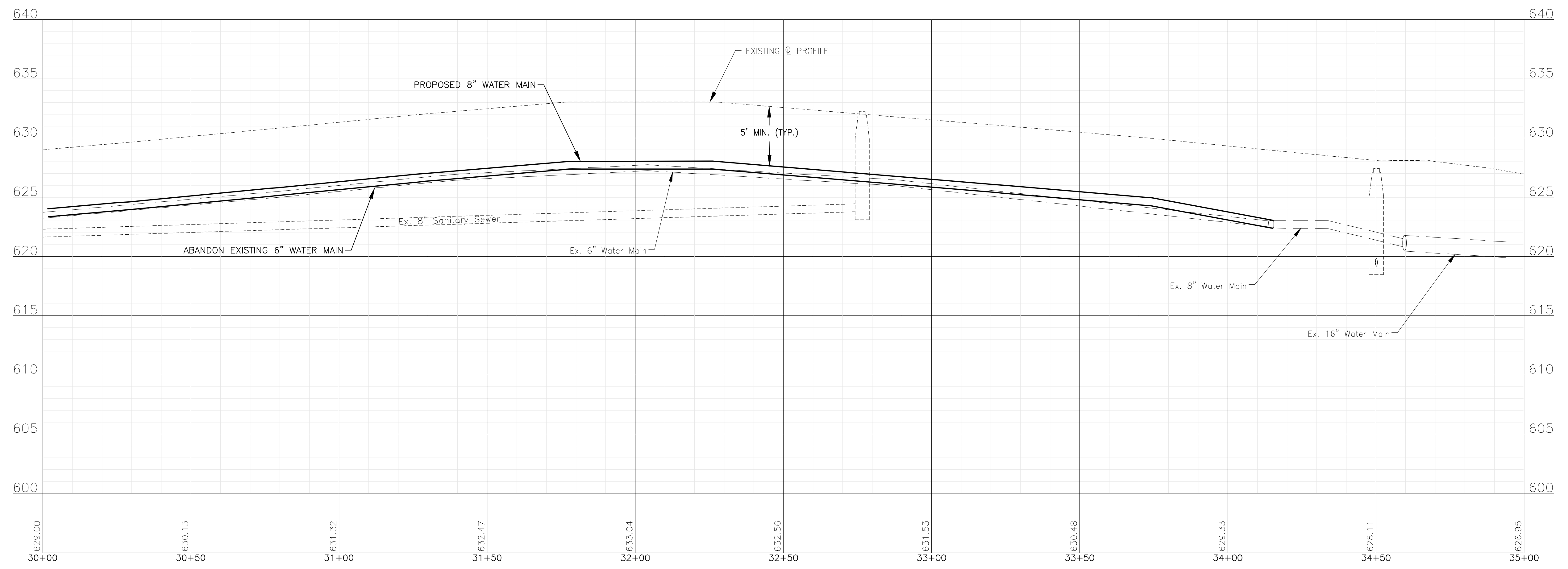
DESIGNED - ARS	TOTAL SHEETS	SHEET NO.
DRAWN - ABN/TJB	24	8
CHECKED - LMS		
DATE - 10/23/20		

TO BID



NOTE:
WATER SERVICES: (8) WATER SERVICE CONNECTIONS ARE ANTICIPATED THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN FIELD BY ENGINEER.

N. ARTHUR AVENUE



I:\MOKEMA\JUL13\200414-2021 WATER MAIN IMPR\CAD\FORREST PARK PHASE 2\DWGS\CURRENT\200414-FORRESTPARK_2-DESIGN-SHEETS-C3D.DWG 30+00.00
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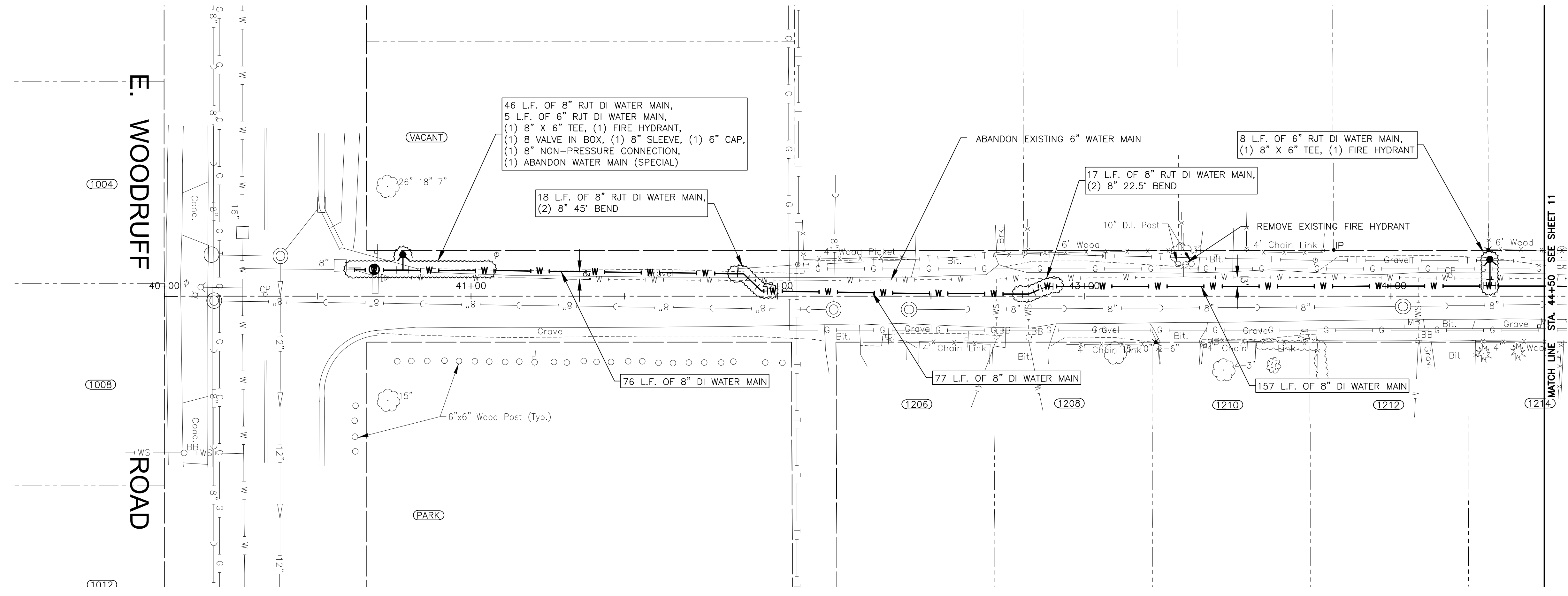
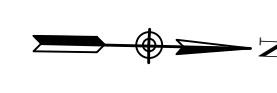
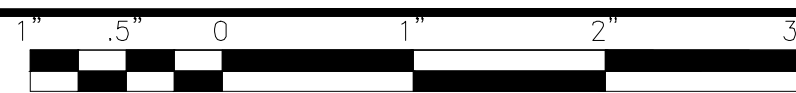
CONSULTANTS	REVISED -
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	REVISED -

CITY OF JOLIET, ILLINOIS
FOREST PARK PHASE 2 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2532-0121

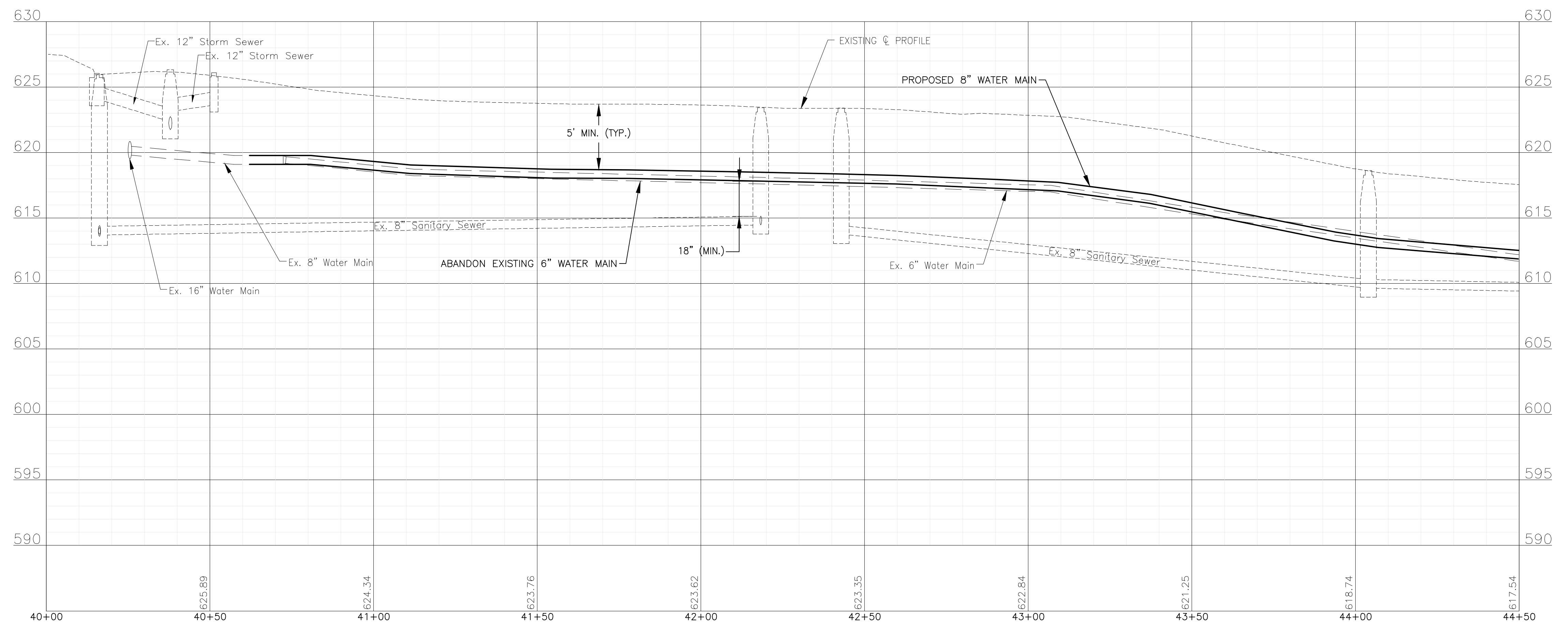
ARTHUR AVENUE STA. 30+00 TO STA. 35+00 PLAN AND PROFILE
 SCALE: HORIZ 1"=20' / VERT 1"=5'
 PROJECT NO: 200414.40

DESIGNED - ARS	TOTAL SHEETS	SHEET NO.
DRAWN - ABN/TJB	24	9
CHECKED - LMS		
DATE - 10/23/20		

TO BID



N. DORA AVENUE



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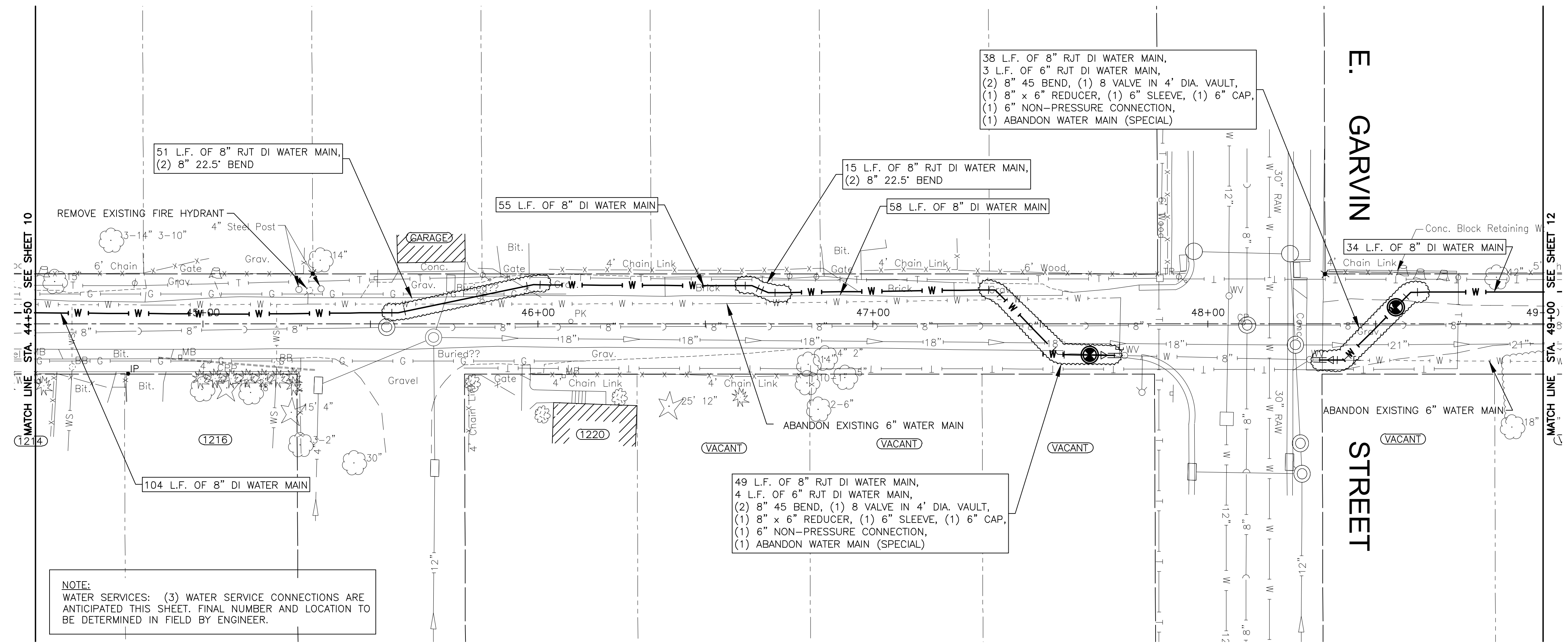
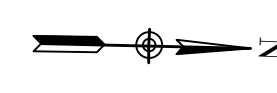
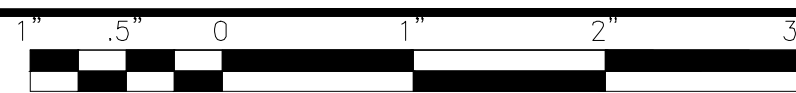
CONSULTANTS	REVISED -

CITY OF JOLIET, ILLINOIS
FOREST PARK PHASE 2 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2532-0121

DORA AVENUE STA. 40+00 TO STA. 44+50 PLAN AND PROFILE
 SCALE: HORIZ 1"=20' / VERT 1"=5'
 PROJECT NO: 200414.40

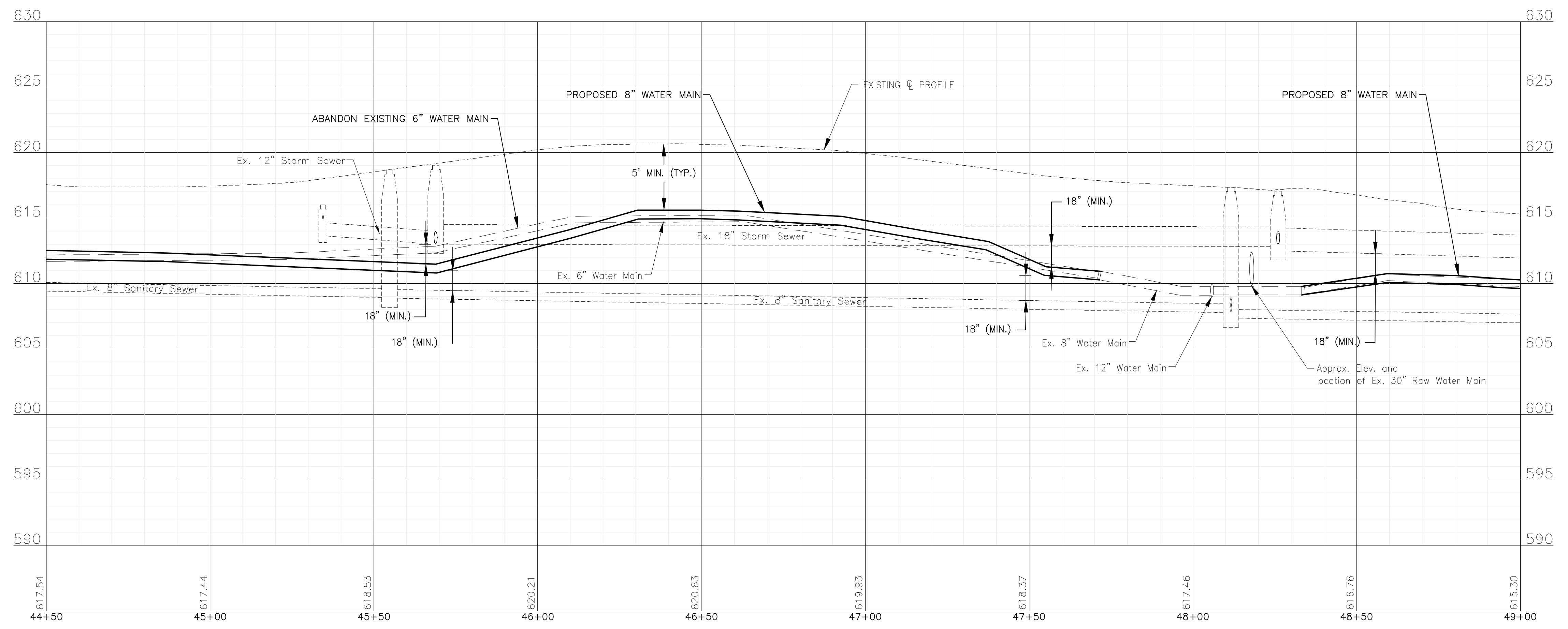
DESIGNED -	TOTAL SHEETS	SHEET NO.
ARS	24	10
DRAWN - ABN/TJB		
CHECKED - LMS		
DATE - 10/23/20		

TO BID



NOTE:
 WATER SERVICES: (3) WATER SERVICE CONNECTIONS ARE ANTICIPATED THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN FIELD BY ENGINEER.

N. DORA AVENUE



I:\MOKEMA\JUL13\200414-2021 WATER MAIN IMPR\CAD\FORREST PARK PHASE 2\DWGS\CURRENT\200414-FORRESTPARK_2-DESIGN-SHEETS-C3D.DWG 44+50.00
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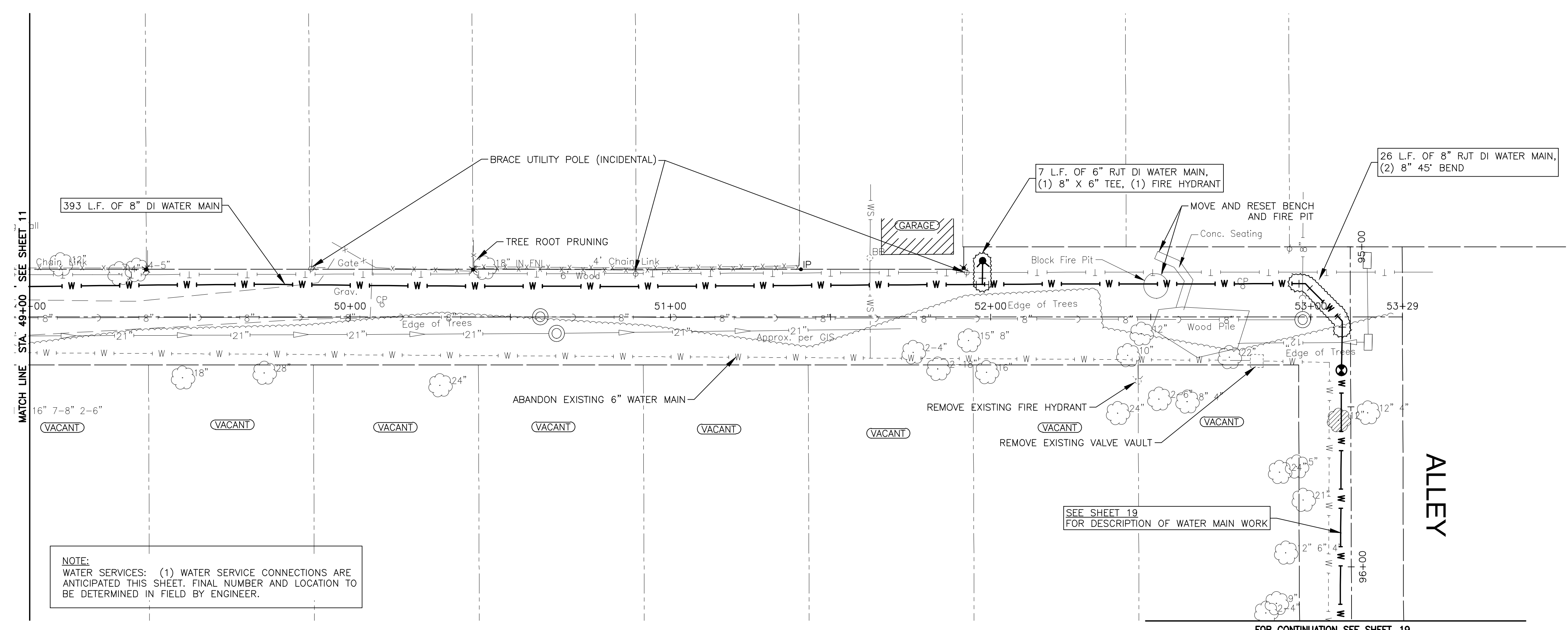
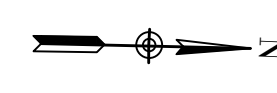
CONSULTANTS	REVISED -
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	REVISED -

CITY OF JOLIET, ILLINOIS
FOREST PARK PHASE 2 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2532-0121

DORA AVENUE STA. 44+50 TO STA. 49+00 PLAN AND PROFILE
 SCALE: HORIZ 1"=20' / VERT 1"=5'
 PROJECT NO: 200414.40

DESIGNED - ARS	TOTAL SHEETS	SHEET NO.
DRAWN - ABN/TJB	24	11
CHECKED - LMS		
DATE - 10/23/20		

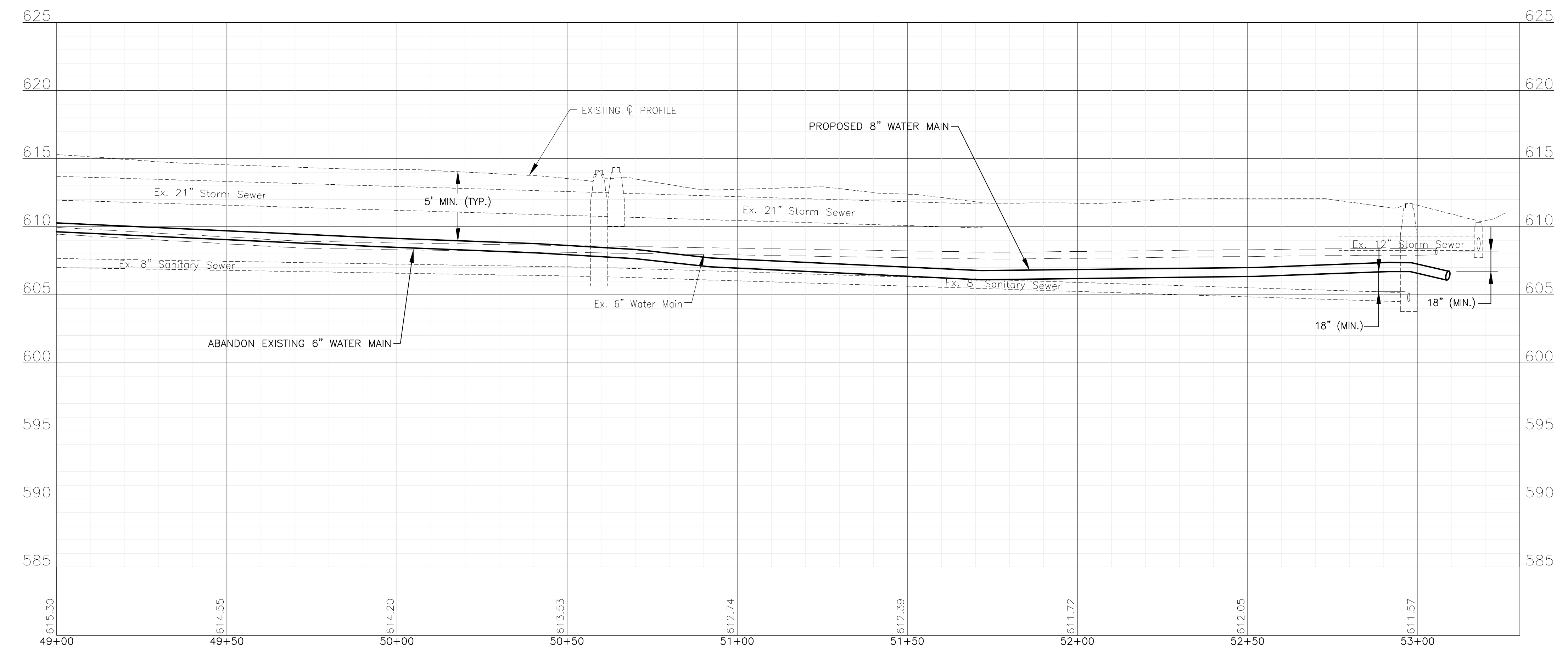
TO BID



NOTE:
WATER SERVICES: (1) WATER SERVICE CONNECTIONS ARE ANTICIPATED THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN FIELD BY ENGINEER.

N. DORA AVENUE

FOR CONTINUATION SEE SHEET 19



I:\MOKEMA\JUL20\200414-2021 WATER MAIN IMPR\CAD\FORREST PARK PHASE 2\DWGS\CURRENT\200414-FORESTPARK_2-DESIGN-SHEETS-C3D.DWG 49+00.00
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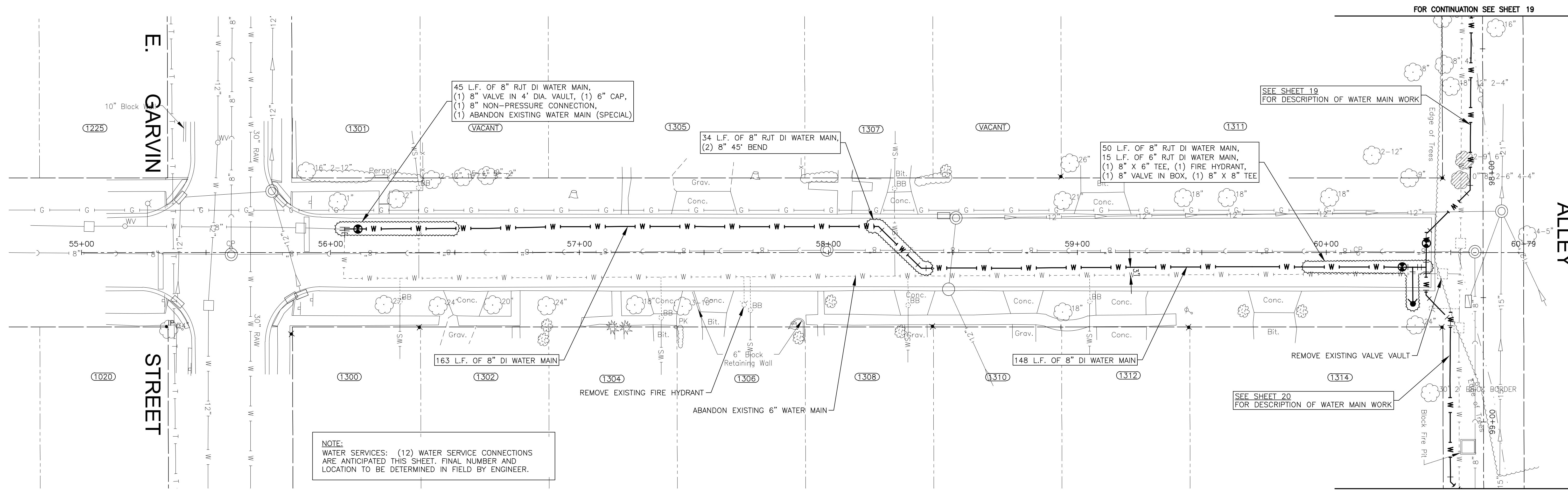
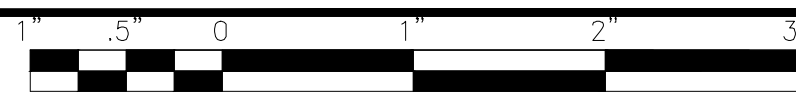


CONSULTANTS	REVISED -
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CITY OF JOLIET, ILLINOIS
FOREST PARK PHASE 2 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2532-0121

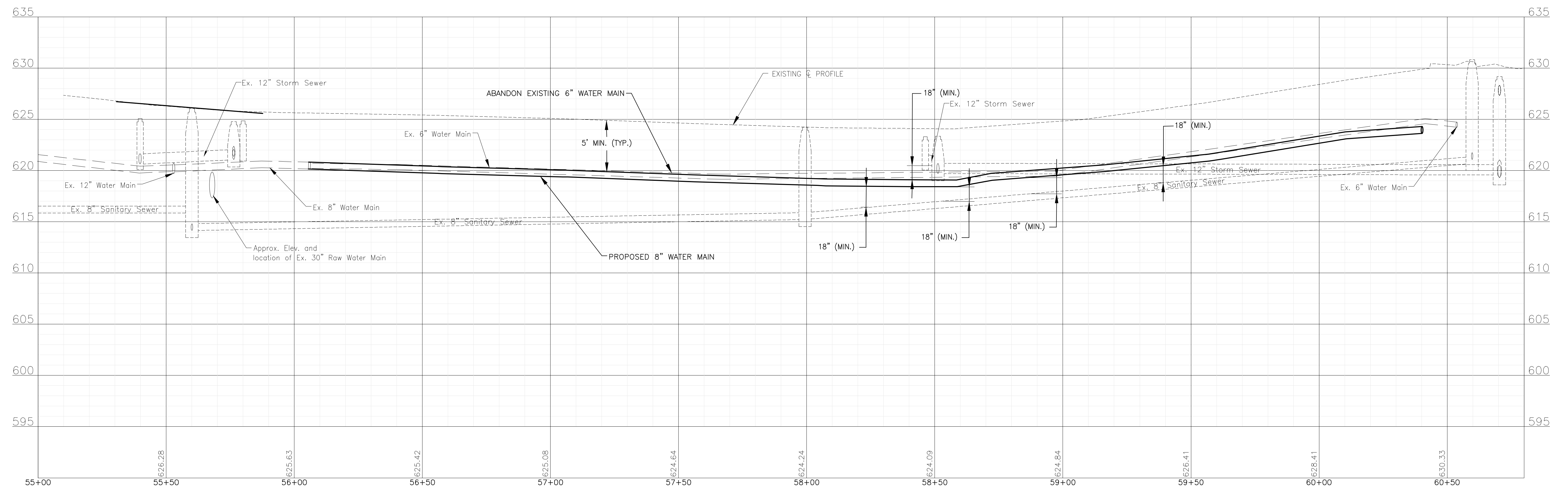
SCALE: HORIZ 1"=20' / VERT 1"=5'		PROJECT NO: 200414.40	
DESIGNED - ARS		TOTAL SHEETS	SHEET NO.
DRAWN - ABN/TJB		24	12
CHECKED - LMS			
DATE - 10/23/20			

TO BID



NOTE:
WATER SERVICES: (12) WATER SERVICE CONNECTIONS
ARE ANTICIPATED THIS SHEET. FINAL NUMBER AND
LOCATION TO BE DETERMINED IN FIELD BY ENGINEER.

N. LUTHER AVENUE



I:\MOKEMA\JUL13\200414-2021 WATER MAIN IMPR\CAD\FORREST PARK PHASE 2\DWGS\CURRENT\FOREST PARK_2-DESIGN-SHEETS-C3D.DWG 55+00.00
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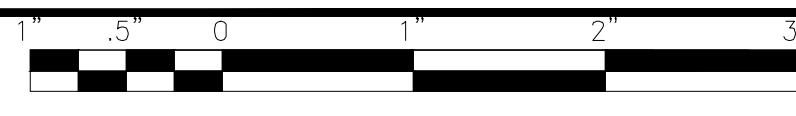
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CITY OF JOLIET, ILLINOIS
FOREST PARK PHASE 2 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2532-0121

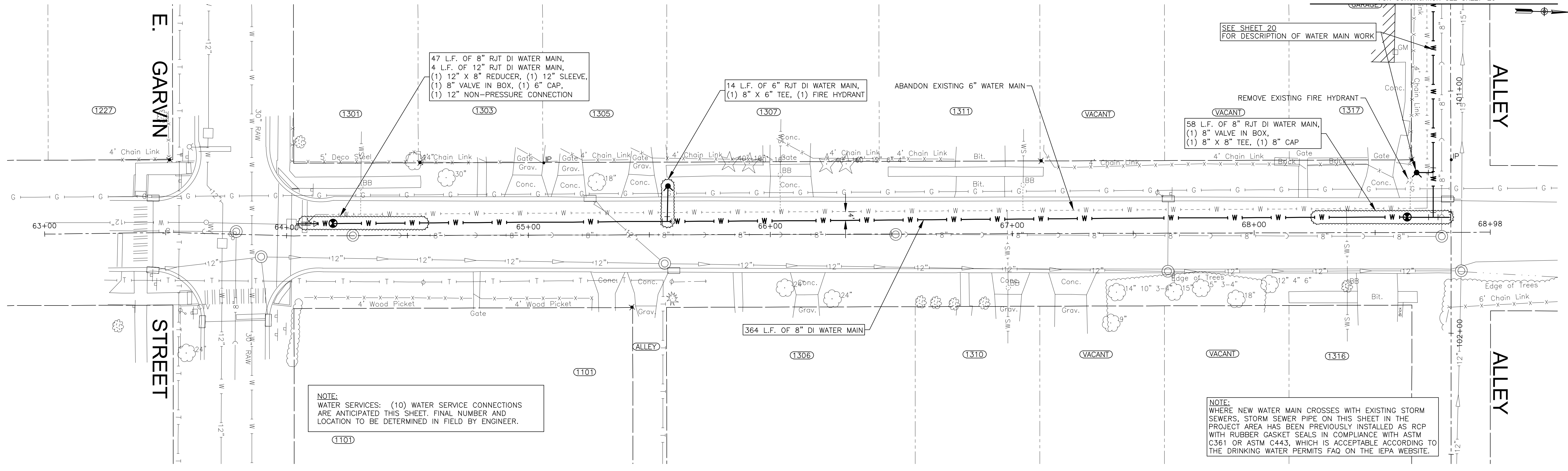
LUTHER AVENUE STA. 55+00 TO STA. 60+80 PLAN AND PROFILE
 SCALE: HORIZ 1"=20' / VERT 1"=5'
 PROJECT NO: 200414.40

DESIGNED - ARS	TOTAL SHEETS	SHEET NO.
DRAWN - ABN/TJB	24	13
CHECKED - LMS		
DATE - 10/23/20		

TO BID



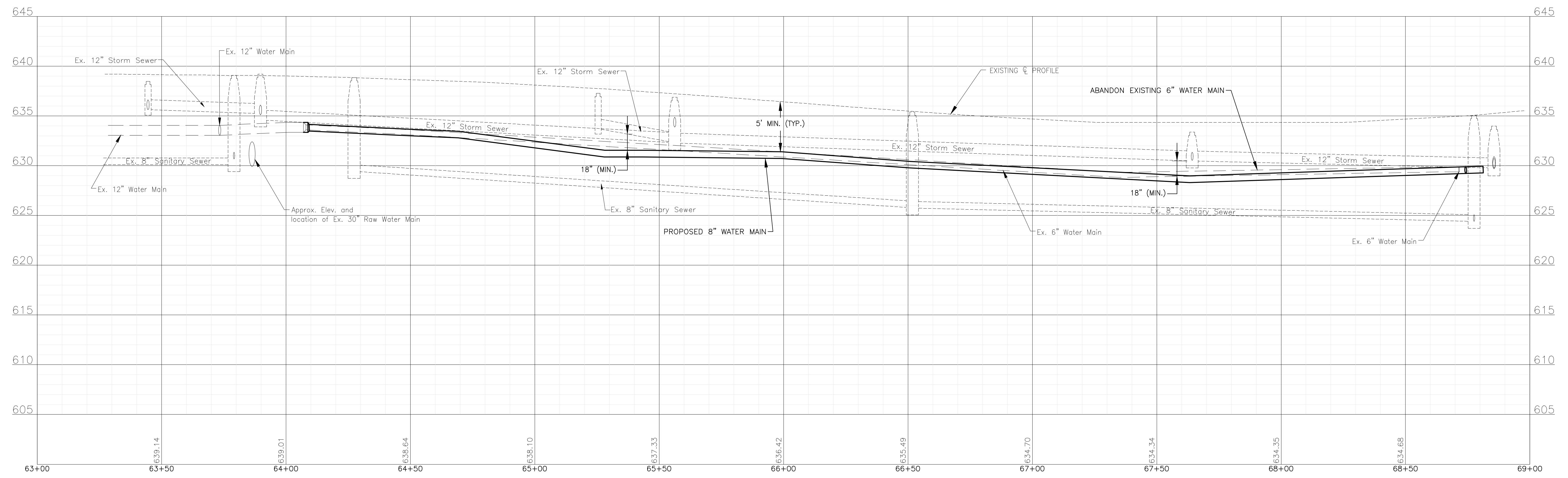
FOR CONTINUATION SEE SHEET 20



NOTE:
WATER SERVICES: (10) WATER SERVICE CONNECTIONS
ARE ANTICIPATED THIS SHEET. FINAL NUMBER AND
LOCATION TO BE DETERMINED IN FIELD BY ENGINEER.

NOTE:
WHERE NEW WATER MAIN CROSSES WITH EXISTING STORM
SEWERS, STORM SEWER PIPE ON THIS SHEET IN THE
PROJECT AREA HAS BEEN PREVIOUSLY INSTALLED AS RCP
WITH RUBBER GASKET SEALS IN COMPLIANCE WITH ASTM
C361 OR ASTM C443, WHICH IS ACCEPTABLE ACCORDING TO
THE DRINKING WATER PERMITS FAQ ON THE IEPA WEBSITE.

N. CALIFORNIA AVENUE



TO BID

I:\MOKEMA\JUL13\200414-2021 WATER MAIN IMPR\CAO\FORREST PARK PHASE 2\DWGS\CURRENT\200414-FORRESTPARK_2-DESIGN-SHEETS-C3D.DWG 63+00.00
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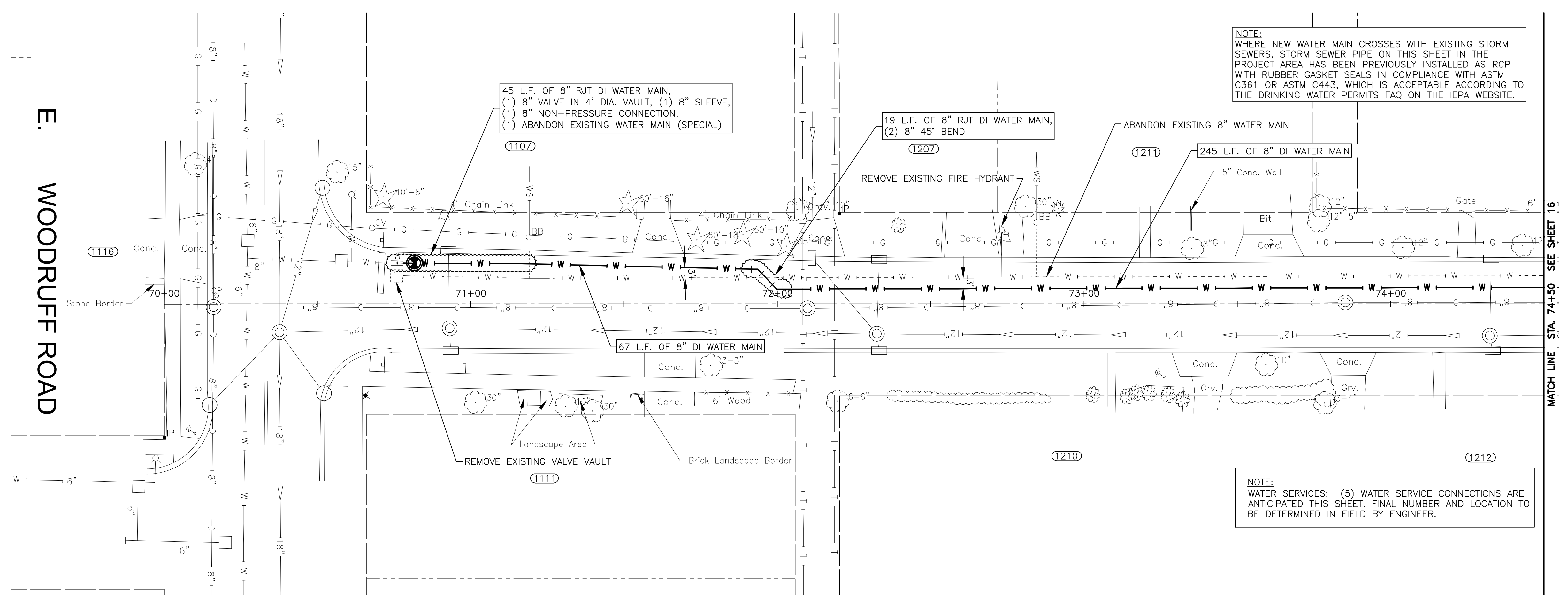
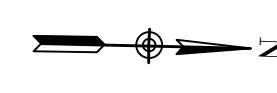


CONSULTANTS	REVISED -
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CITY OF JOLIET, ILLINOIS
FOREST PARK PHASE 2 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2532-0121

CALIFORNIA AVENUE STA. 63+00 TO STA. 69+00 PLAN AND PROFILE
 SCALE: HORIZ 1"=20' / VERT 1"=5'
 PROJECT NO: 200414.40

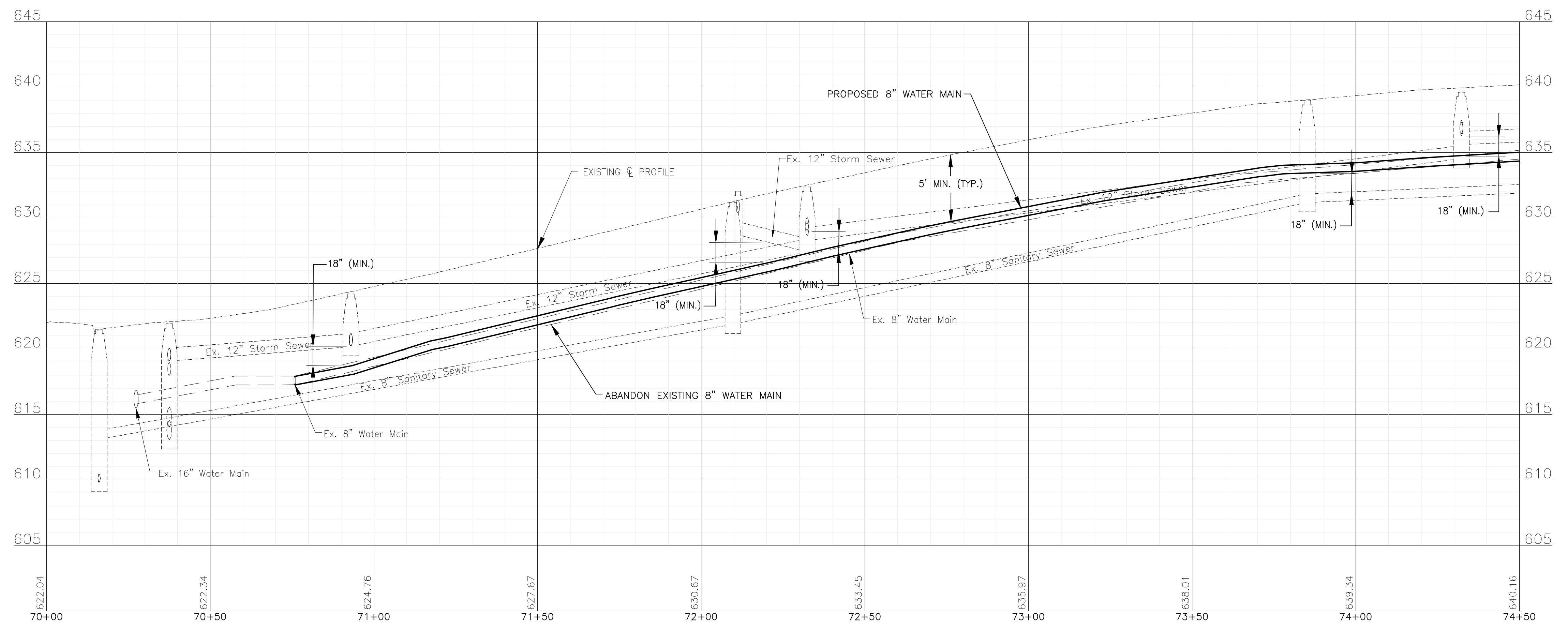
DESIGNED - ARS	TOTAL SHEETS	SHEET NO.
DRAWN - ABN/TJB	24	14
CHECKED - LMS		
DATE - 10/23/20		



E. WOODRUFF ROAD

N. FULLER AVENUE

MATCH LINE STA. 74+50 SEE SHEET 16



I:\MOKEMA\JUL13\200414-2021 WATER MAIN IMPR\CAD\FORREST PARK PHASE 2\DWGS\CURRENT\200414-FORRESTPARK_2-DESIGN-SHEETS-C3D.DWG 70+00.00
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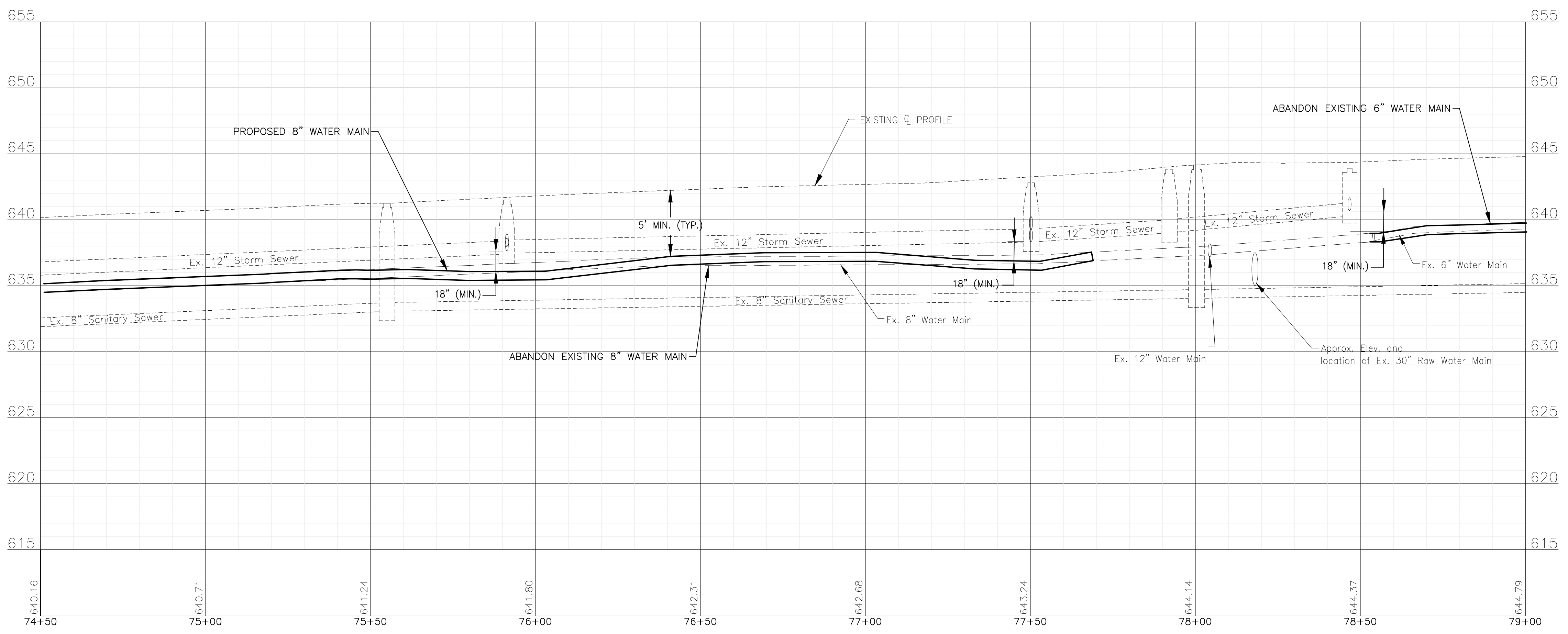
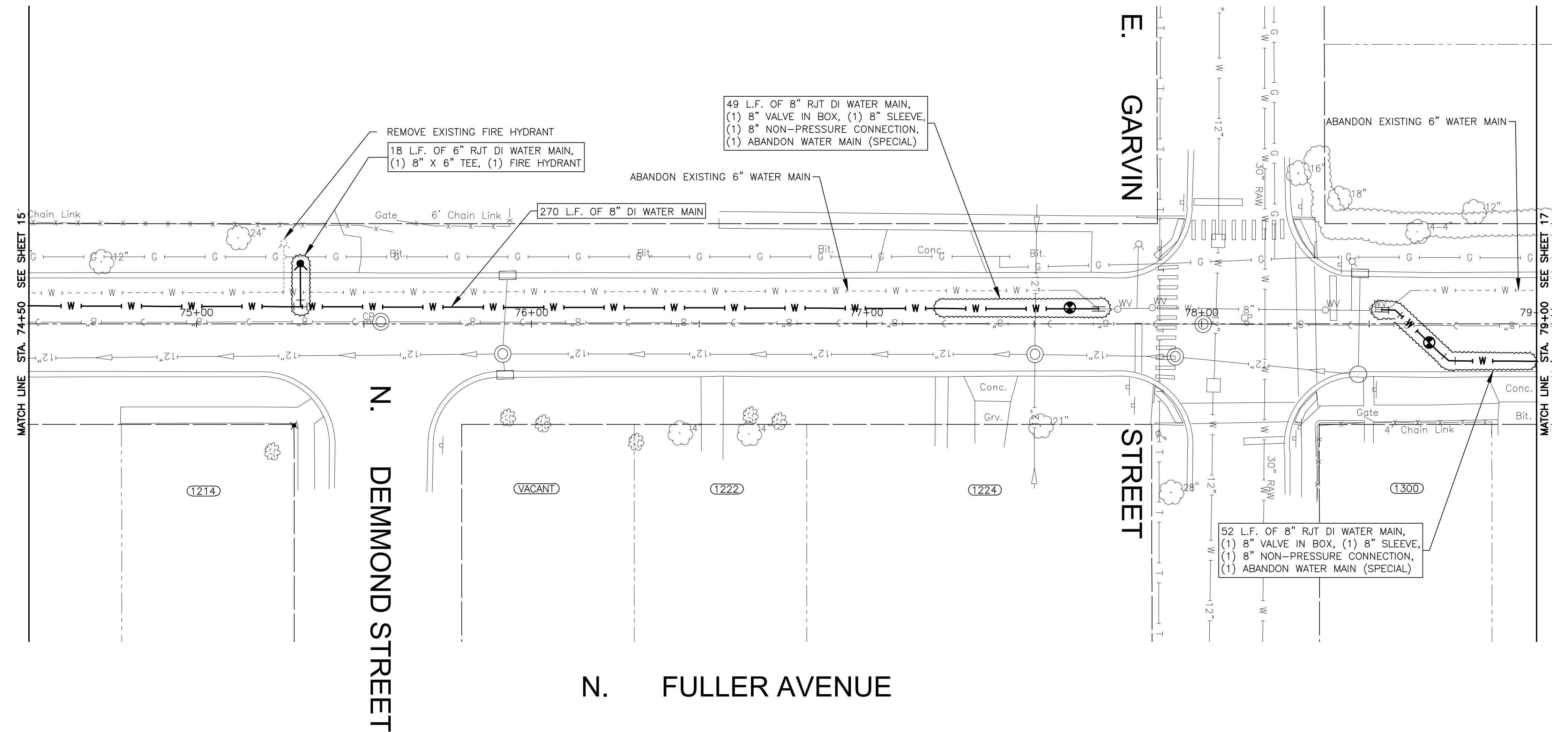
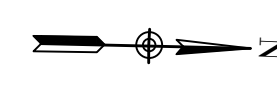
CITY OF JOLIET, ILLINOIS
FOREST PARK PHASE 2 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2532-0121

FULLER AVENUE STA. 70+00 TO STA. 74+50 PLAN AND PROFILE

SCALE: HORIZ 1"=20' / VERT 1"=5'
 PROJECT NO: 200414.40

DESIGNED - ARS	TOTAL SHEETS	SHEET NO.
DRAWN - ABN/TJB	24	15
CHECKED - LMS		
DATE - 10/23/20		

TO BID



I:\MOKEMA\JULTC\200414-2021 WATER MAIN IMPR\CAD\FORREST PARK PHASE 2\DWGS\CURRENT\200414-FORRESTPARK_2-DESIGN-SHEETS-C3D.DWG 74+50.00
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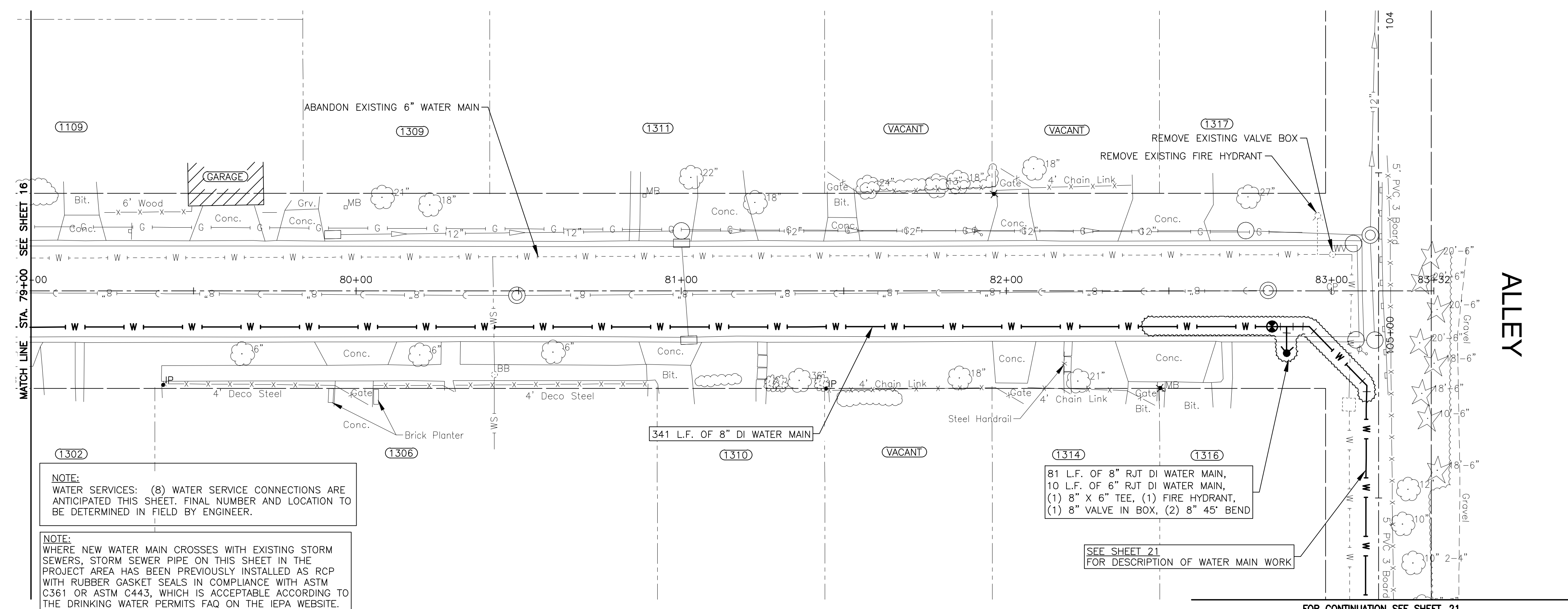
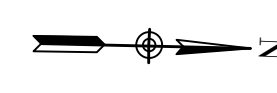
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CITY OF JOLIET, ILLINOIS
FOREST PARK PHASE 2 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2532-0121

FULLER AVENUE STA. 74+50 TO STA. 79+00 PLAN AND PROFILE
 SCALE: HORIZ 1"=20' / VERT 1"=5'
 PROJECT NO: 200414.40

DESIGNED - ARS	TOTAL SHEETS	SHEET NO.
DRAWN - ABN/TJB	24	16
CHECKED - LMS		
DATE - 10/23/20		

TO BID



NOTE:
WATER SERVICES: (8) WATER SERVICE CONNECTIONS ARE ANTICIPATED THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN FIELD BY ENGINEER.

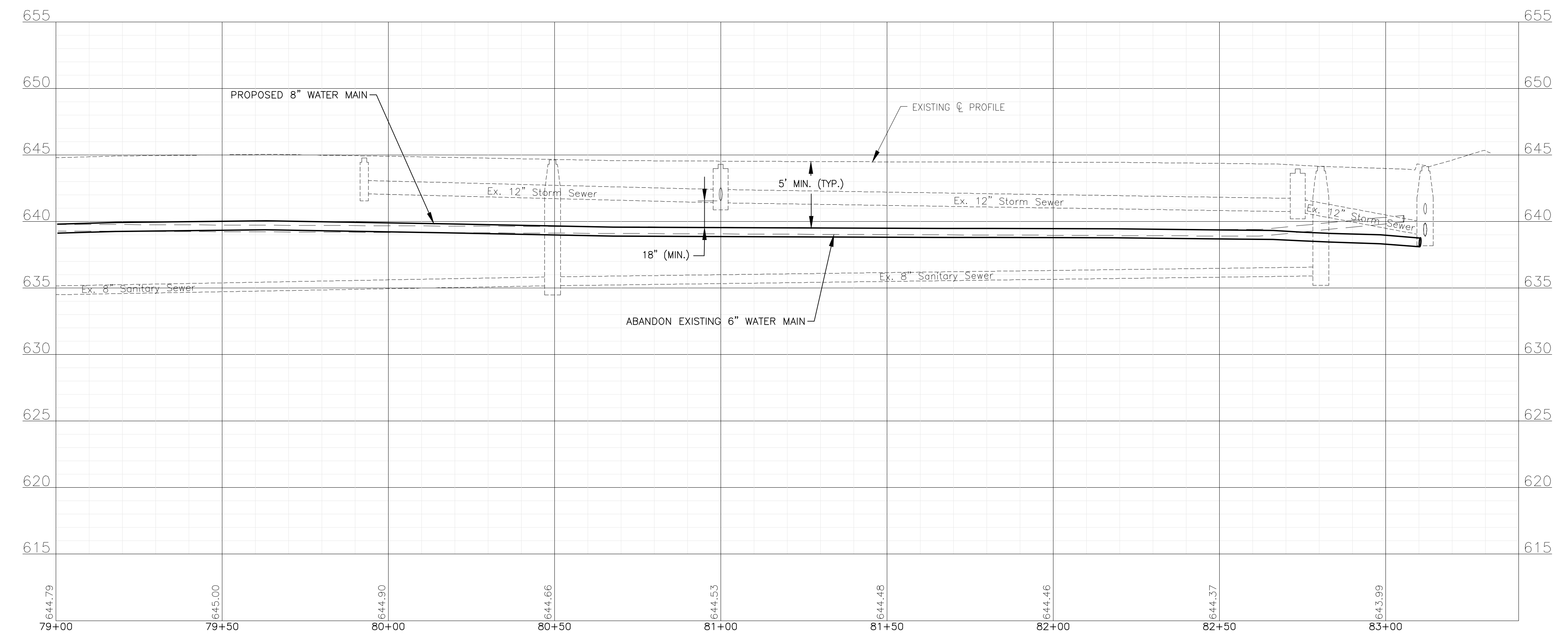
NOTE:
WHERE NEW WATER MAIN CROSSES WITH EXISTING STORM SEWERS, STORM SEWER PIPE ON THIS SHEET IN THE PROJECT AREA HAS BEEN PREVIOUSLY INSTALLED AS RCP WITH RUBBER GASKET SEALS IN COMPLIANCE WITH ASTM C361 OR ASTM C443, WHICH IS ACCEPTABLE ACCORDING TO THE DRINKING WATER PERMITS FAQ ON THE IEPA WEBSITE.

81 L.F. OF 8" RJT DI WATER MAIN,
10 L.F. OF 6" RJT DI WATER MAIN,
(1) 8" X 6" TEE, (1) FIRE HYDRANT,
(1) 8" VALVE IN BOX, (2) 8" 45' BEND

SEE SHEET 21
FOR DESCRIPTION OF WATER MAIN WORK

FOR CONTINUATION SEE SHEET 21

N. FULLER AVENUE



TO BID

I:\MOKEVA\JULTC\200414-2021 WATER MAIN IMPR\CAD\FORREST PARK PHASE 2\DWGS\CURRENT\200414-FORRESTPARK_2-DESIGN-SHEETS-C3D.DWG 79+00.00
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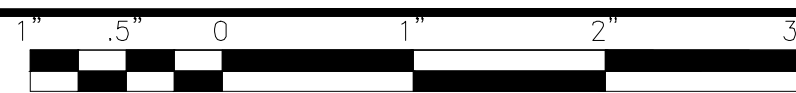


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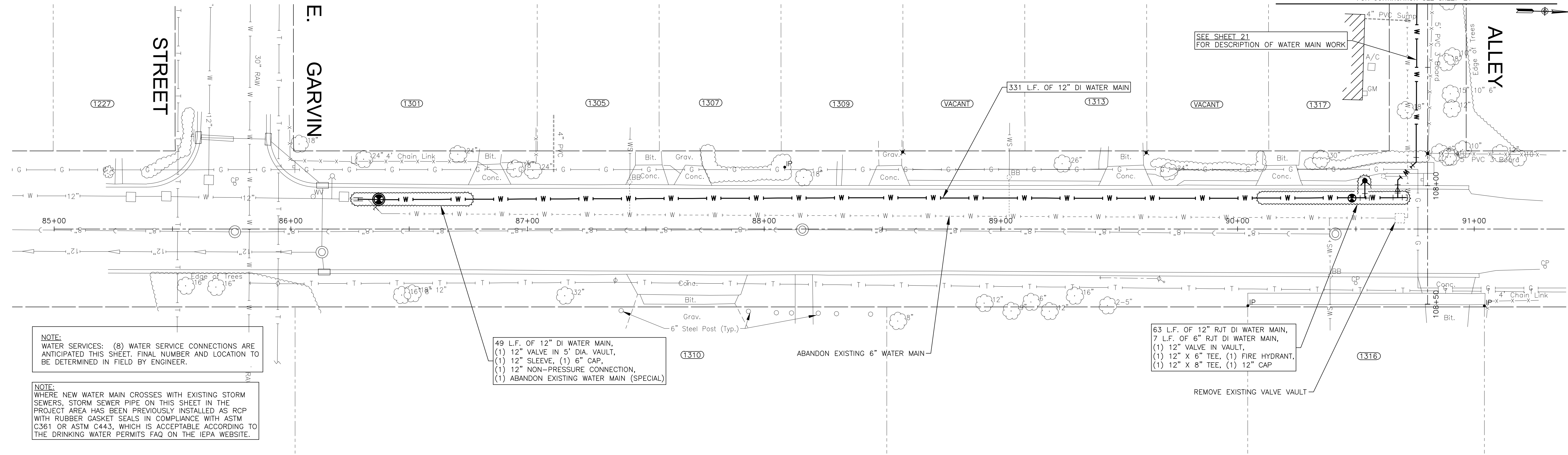
CITY OF JOLIET, ILLINOIS
FOREST PARK PHASE 2 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2532-0121

FULLER AVENUE STA. 79+00 TO STA. 83+40 PLAN AND PROFILE	
SCALE:	HORIZ 1"=20' / VERT 1"=5'
PROJECT NO:	200414.40

DESIGNED - ARS	TOTAL SHEETS	SHEET NO.
DRAWN - ABN/TJB	24	17
CHECKED - LMS		
DATE - 10/23/20		



FOR CONTINUATION SEE SHEET 21



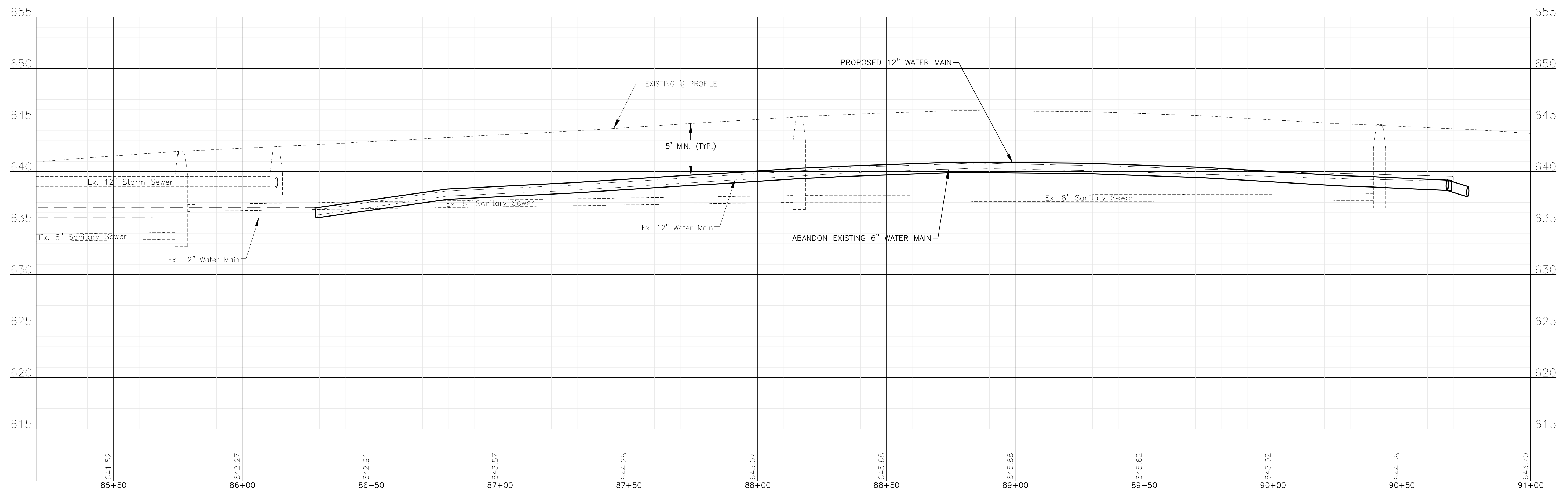
NOTE:
WATER SERVICES: (8) WATER SERVICE CONNECTIONS ARE ANTICIPATED THIS SHEET. FINAL NUMBER AND LOCATION TO BE DETERMINED IN FIELD BY ENGINEER.

NOTE:
WHERE NEW WATER MAIN CROSSES WITH EXISTING STORM SEWERS, STORM SEWER PIPE ON THIS SHEET IN THE PROJECT AREA HAS BEEN PREVIOUSLY INSTALLED AS RCP WITH RUBBER GASKET SEALS IN COMPLIANCE WITH ASTM C361 OR ASTM C443, WHICH IS ACCEPTABLE ACCORDING TO THE DRINKING WATER PERMITS FAQ ON THE IEPA WEBSITE.

49 L.F. OF 12" DI WATER MAIN,
(1) 12" VALVE IN 5' DIA. VAULT,
(1) 12" SLEEVE, (1) 6" CAP,
(1) 12" NON-PRESSURE CONNECTION,
(1) ABANDON EXISTING WATER MAIN (SPECIAL)

63 L.F. OF 12" RJT DI WATER MAIN,
7 L.F. OF 6" RJT DI WATER MAIN,
(1) 12" VALVE IN VAULT,
(1) 12" X 6" TEE, (1) FIRE HYDRANT,
(1) 12" X 8" TEE, (1) 12" CAP

N. CUTTER AVENUE



TO BID

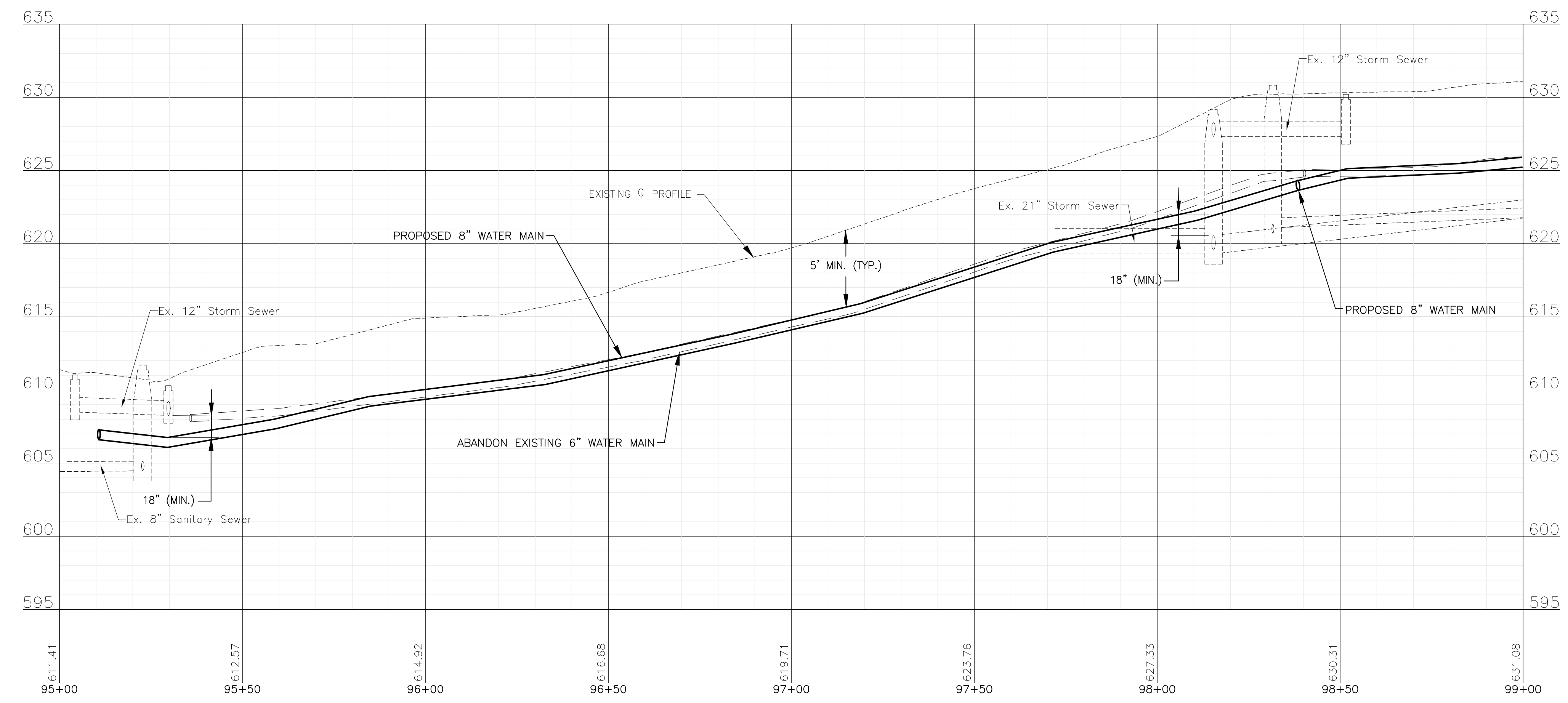
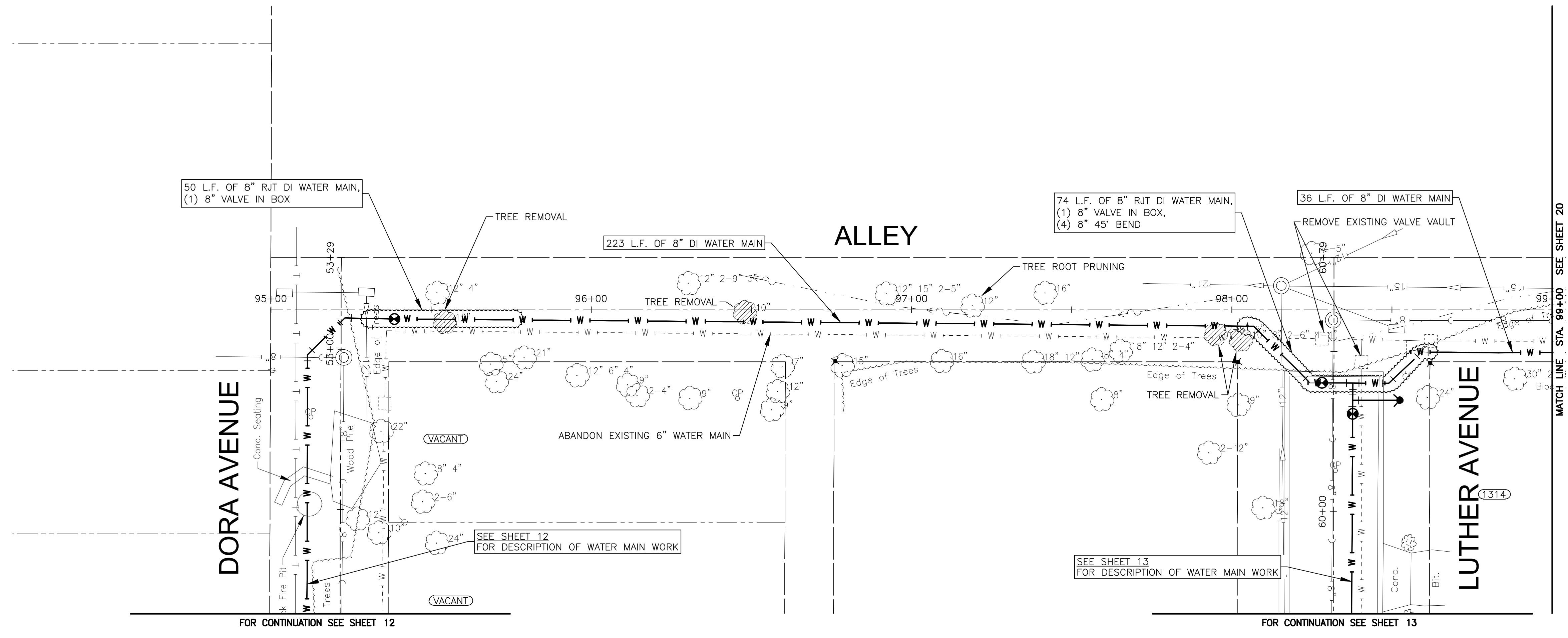
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CITY OF JOLIET, ILLINOIS
FOREST PARK PHASE 2 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2532-0121

SCALE: HORIZ 1"=20' / VERT 1"=5'		PROJECT NO: 200414.40
DESIGNED - ARS		TOTAL SHEETS
DRAWN - ABN/TJB		24
CHECKED - LMS		SHEET NO. 18
DATE - 10/23/20		



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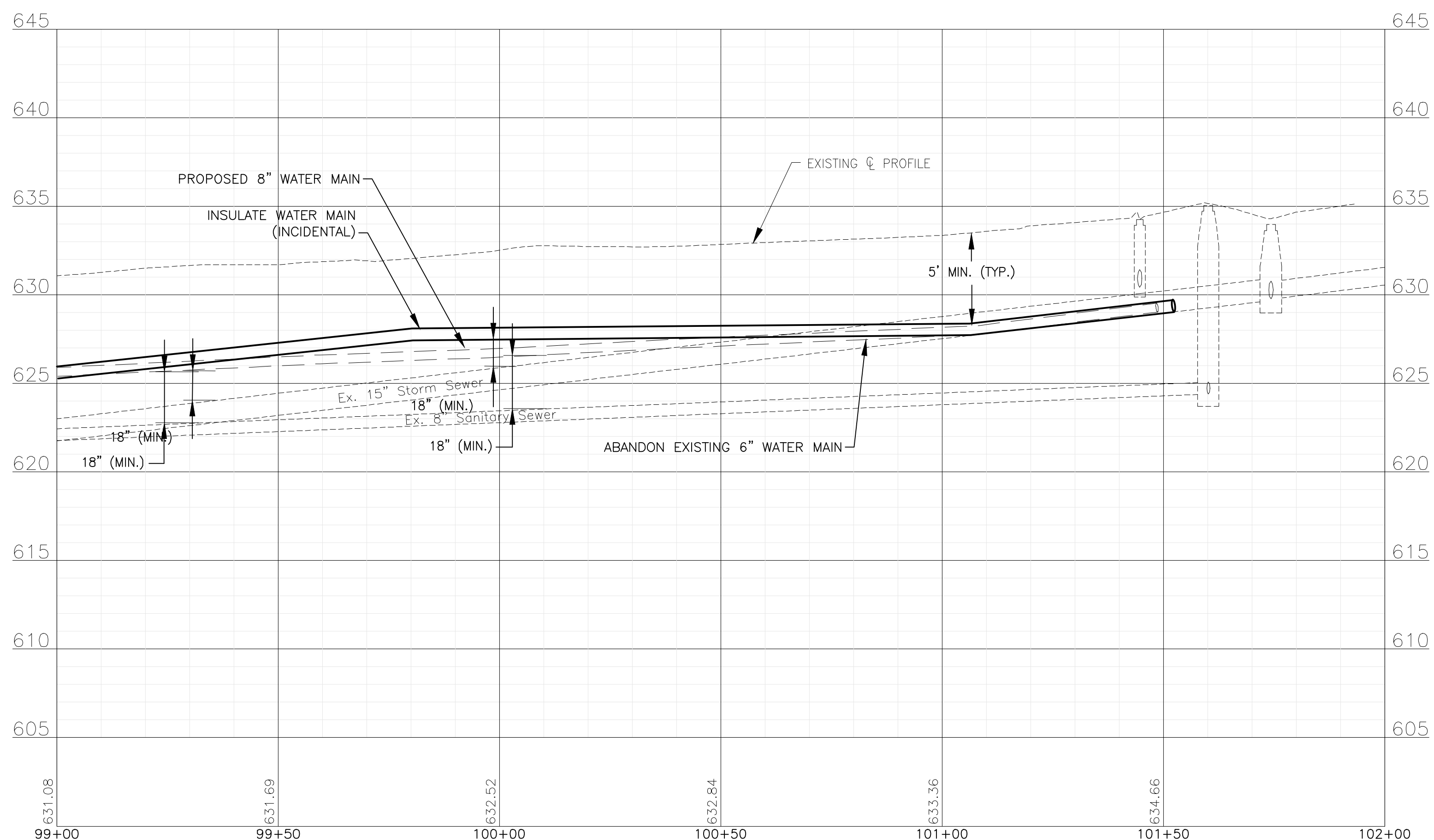
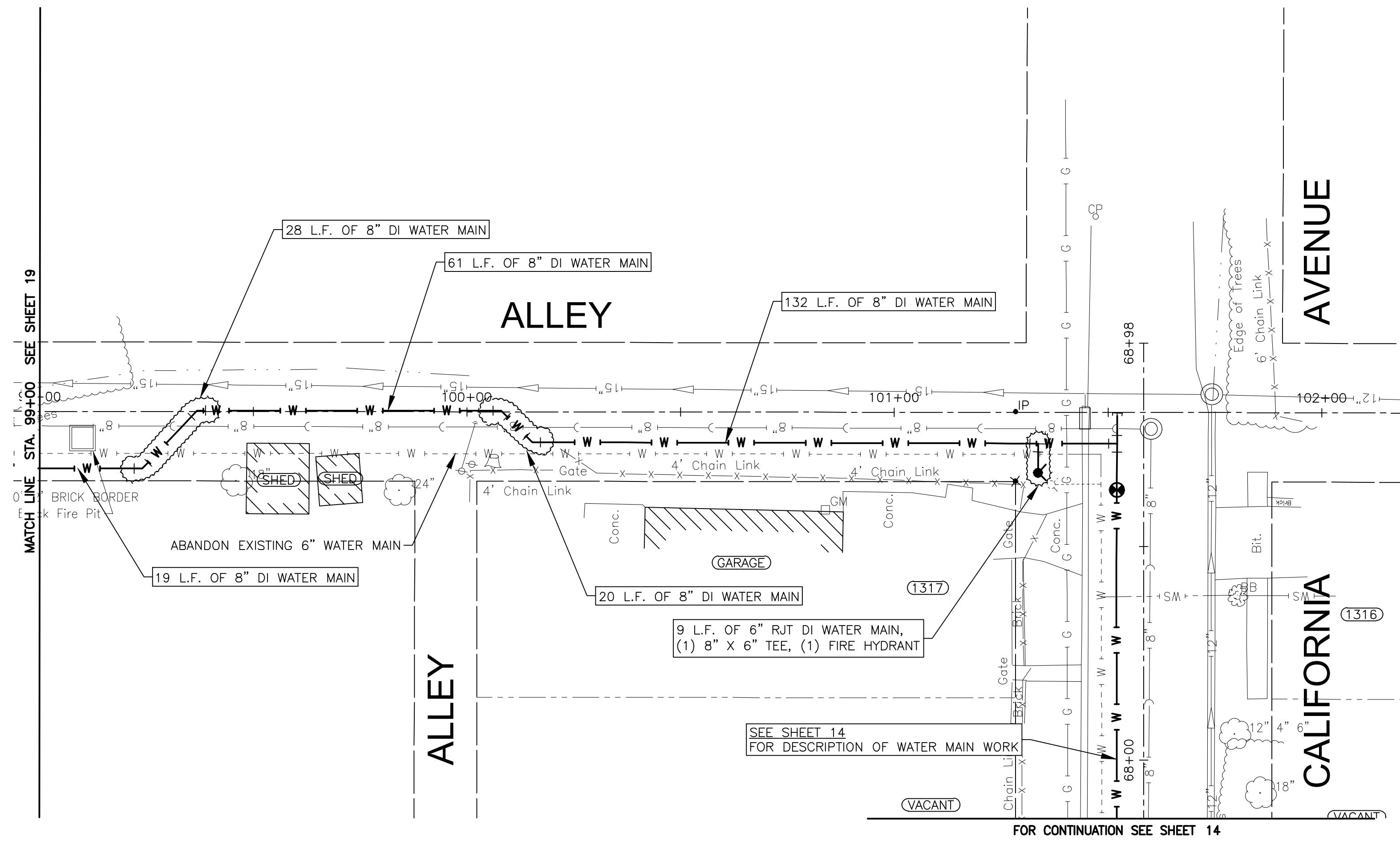
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CITY OF JOLIET, ILLINOIS
FOREST PARK PHASE 2 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2532-0121

NORTH BOUNDARY STA. 95+00 TO STA. 99+00 PLAN AND PROFILE
 SCALE: HORIZ 1"=20' / VERT 1"=5'
 PROJECT NO: 200414.40

DESIGNED - ARS	TOTAL SHEETS	SHEET NO.
DRAWN - ABN/TJB	24	19
CHECKED - LMS		
DATE - 10/23/20		

TO BID



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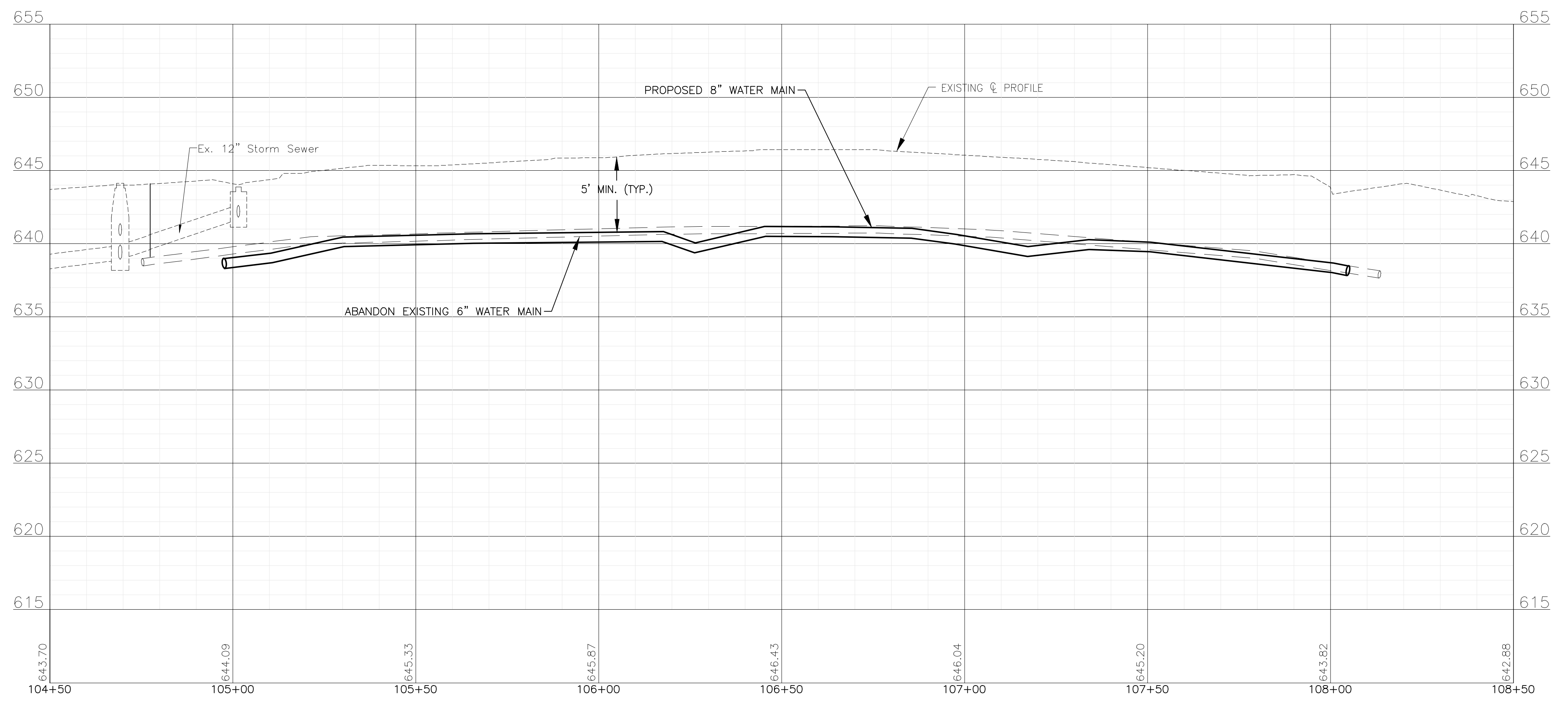
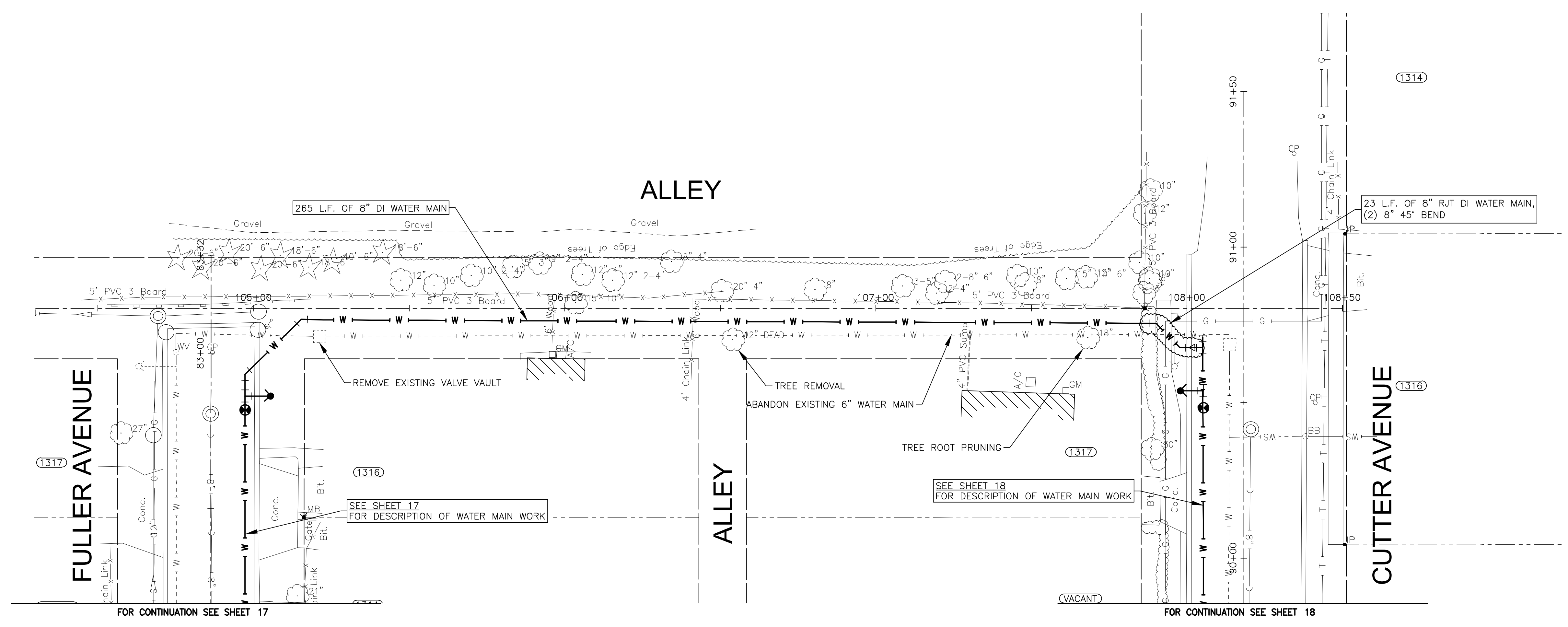
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CITY OF JOLIET, ILLINOIS
FOREST PARK PHASE 2 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2532-0121

NORTH BOUNDARY STA. 99+00 TO STA. 102+00 PLAN AND PROFILE	
SCALE: HORIZ 1"=20' / VERT 1"=5'	PROJECT NO: 200414.40

DESIGNED - ARS	TOTAL SHEETS	SHEET NO.
DRAWN - ABN/TJB	24	20
CHECKED - LMS		
DATE - 10/23/20		

TO BID



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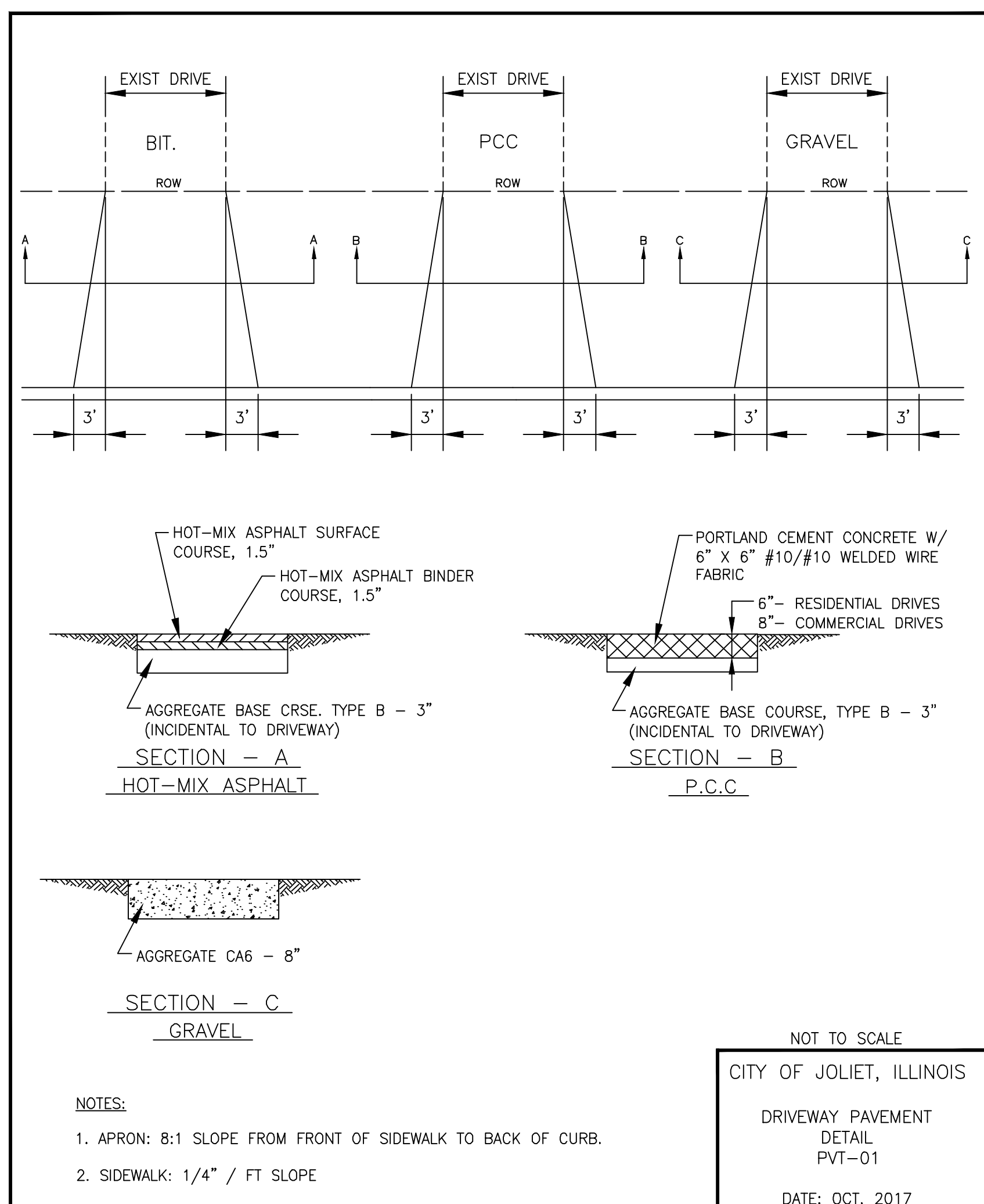
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CITY OF JOLIET, ILLINOIS
FOREST PARK PHASE 2 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2532-0121

NORTH BOUNDARY STA. 104+50 TO STA. 108+50 PLAN AND PROFILE
 SCALE: HORIZ 1"=20' / VERT 1"=5'
 PROJECT NO: 200414.40

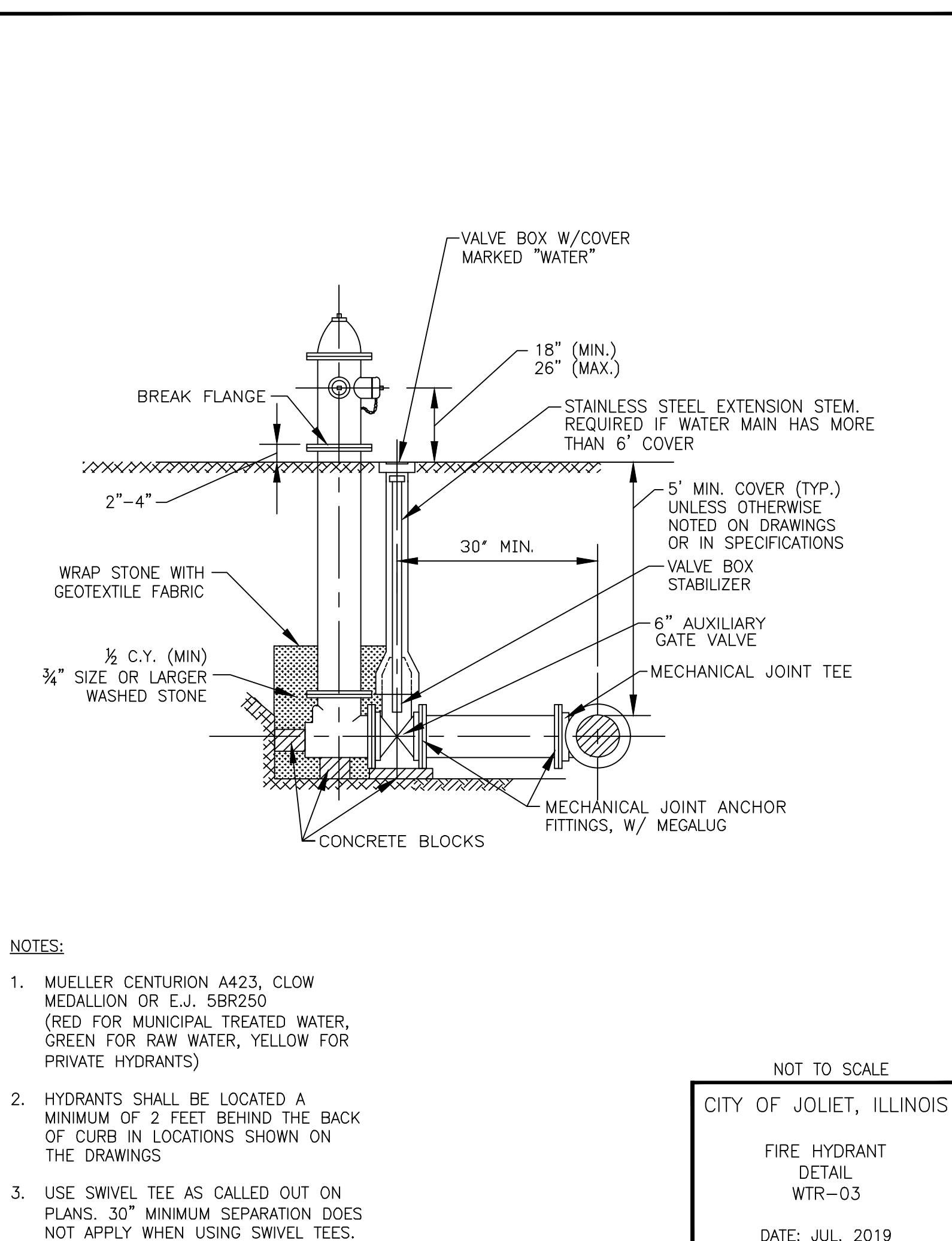
DESIGNED - ARS	TOTAL SHEETS	SHEET NO.
DRAWN - ABN/TJB	24	21
CHECKED - LMS		
DATE - 10/23/20		

TO BID



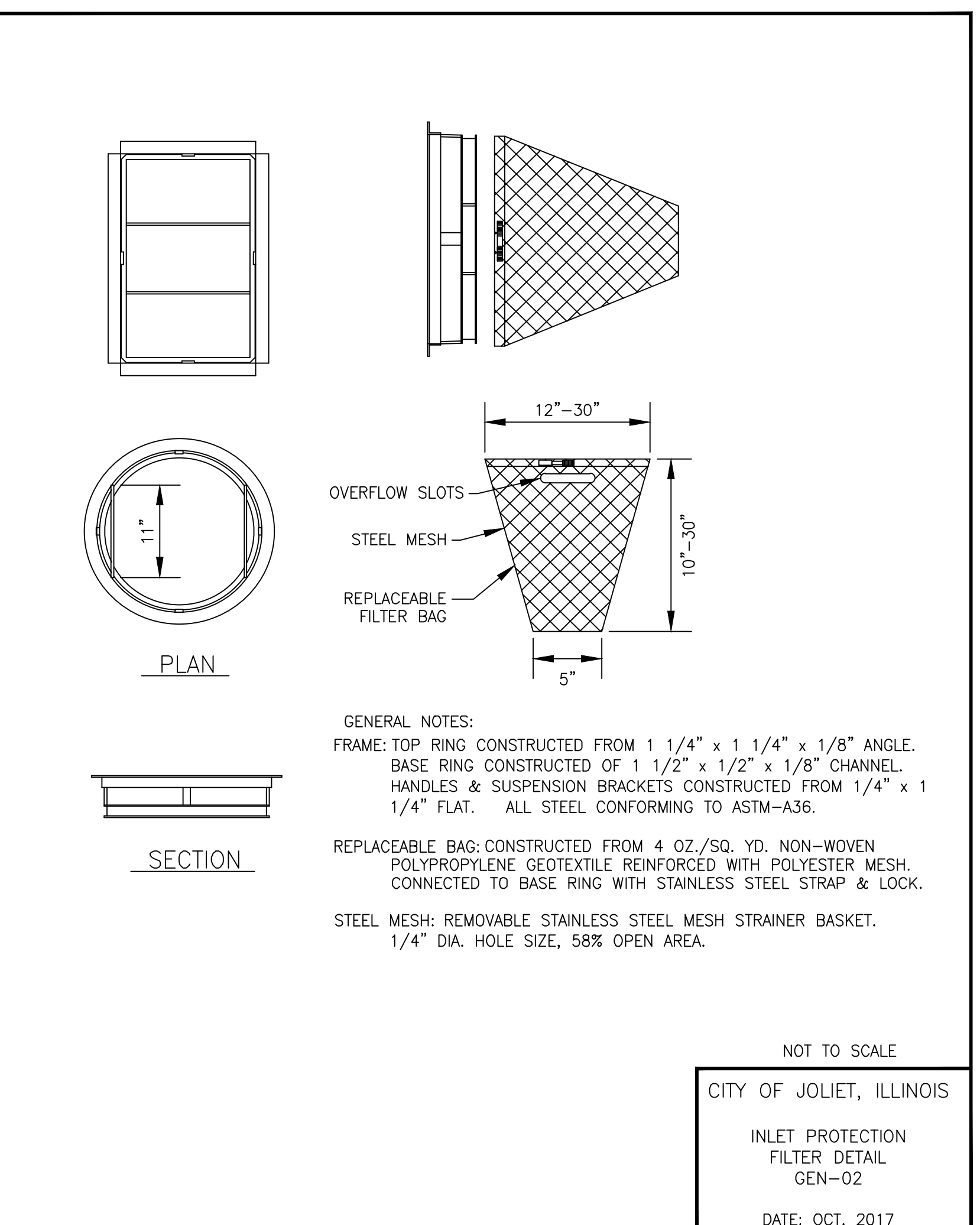
NOTES:
 1. APRON: 8:1 SLOPE FROM FRONT OF SIDEWALK TO BACK OF CURB.
 2. SIDEWALK: 1/4" / FT SLOPE

NOT TO SCALE
 CITY OF JOLIET, ILLINOIS
 DRIVEWAY PAVEMENT
 DETAIL
 PVT-01
 DATE: OCT. 2017



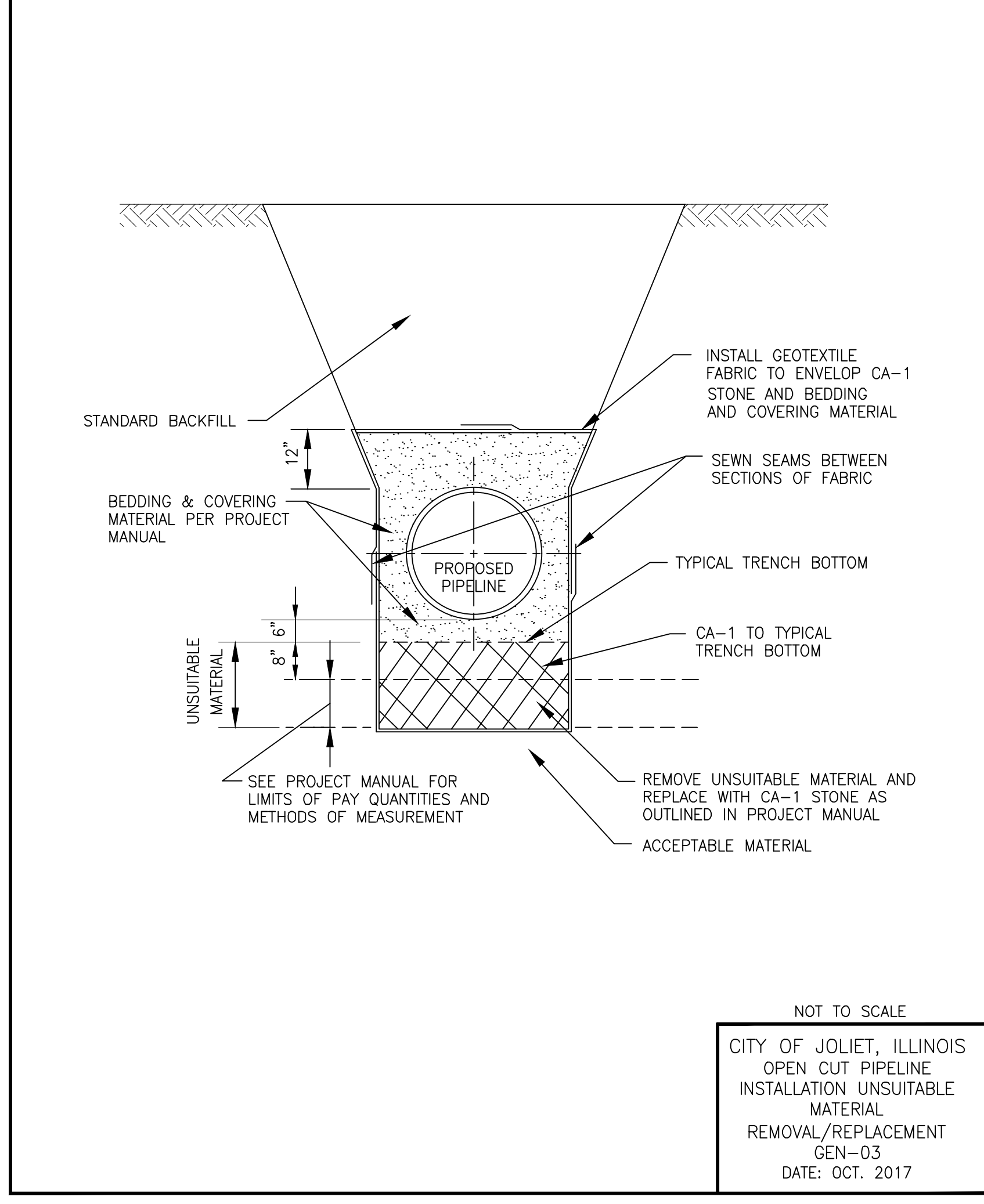
NOTES:
 1. MUELLER CENTURION A423, CLOW MEDALLION OR E.J. 5BR250 (RED FOR MUNICIPAL TREATED WATER, GREEN FOR RAW WATER, YELLOW FOR PRIVATE HYDRANTS)
 2. HYDRANTS SHALL BE LOCATED A MINIMUM OF 2 FEET BEHIND THE BACK OF CURB IN LOCATIONS SHOWN ON THE DRAWINGS
 3. USE SWIVEL TEE AS CALLED OUT ON PLANS. 30" MINIMUM SEPARATION DOES NOT APPLY WHEN USING SWIVEL TEES.

NOT TO SCALE
 CITY OF JOLIET, ILLINOIS
 FIRE HYDRANT
 DETAIL
 WTR-03
 DATE: JUL. 2019

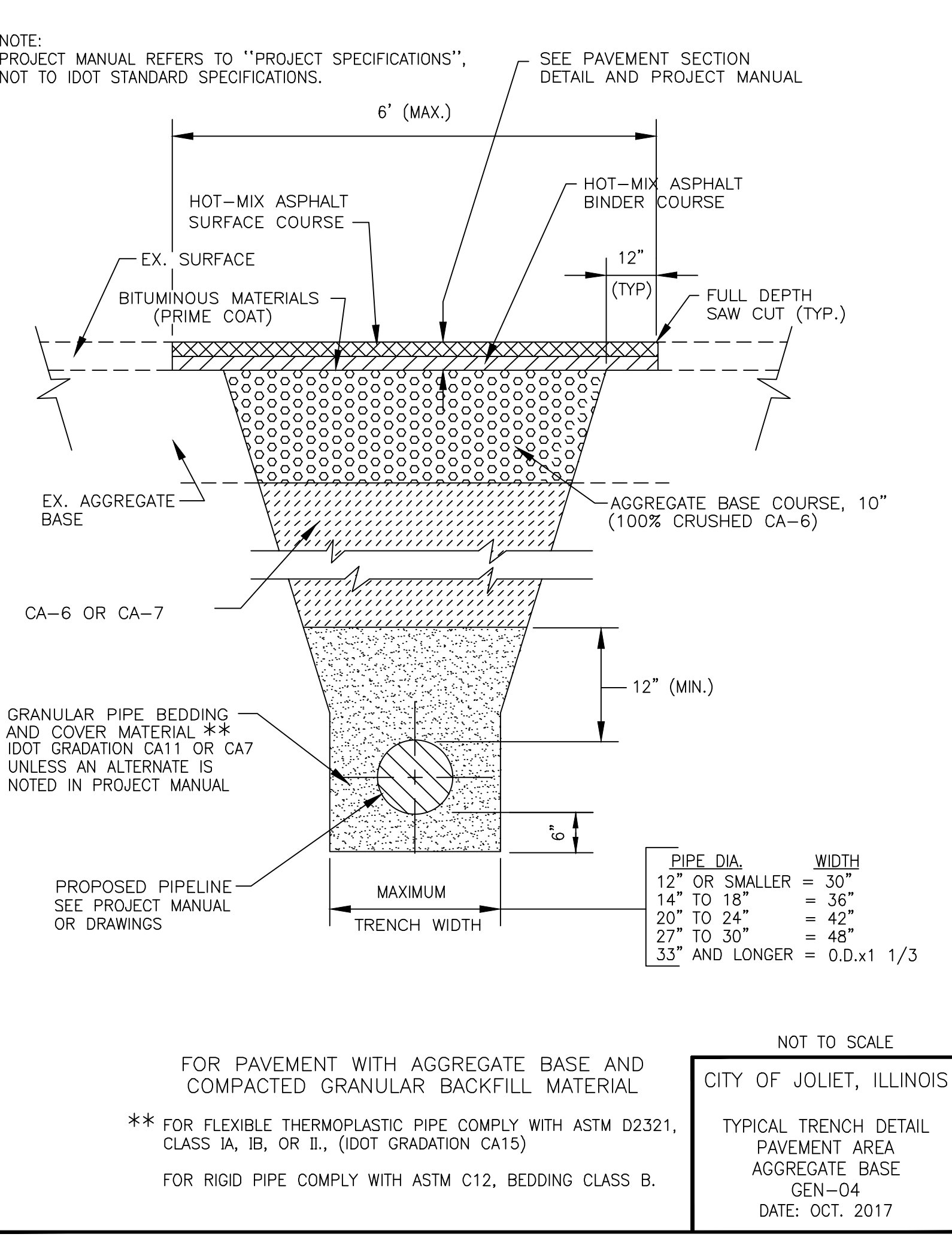


GENERAL NOTES:
 FRAME: TOP RING CONSTRUCTED FROM 1 1/4" x 1 1/4" x 1/8" ANGLE. BASE RING CONSTRUCTED OF 1 1/2" x 1/2" x 1/8" CHANNEL. HANDLES & SUSPENSION BRACKETS CONSTRUCTED FROM 1/4" x 1 1/4" FLAT. ALL STEEL CONFORMING TO ASTM-A36.
 REPLACEABLE BAG: CONSTRUCTED FROM 4 OZ./SQ. YD. NON-WOVEN POLYPROPYLENE GEOTEXTILE REINFORCED WITH POLYESTER MESH. CONNECTED TO BASE RING WITH STAINLESS STEEL STRAP & LOCK.
 STEEL MESH: REMOVABLE STAINLESS STEEL MESH STRAINER BASKET. 1/4" DIA. HOLE SIZE, 58% OPEN AREA.

NOT TO SCALE
 CITY OF JOLIET, ILLINOIS
 INLET PROTECTION
 FILTER DETAIL
 GEN-02
 DATE: OCT. 2017



NOT TO SCALE
 CITY OF JOLIET, ILLINOIS
 OPEN CUT PIPELINE
 INSTALLATION UNSUITABLE
 MATERIAL
 REMOVAL/REPLACEMENT
 GEN-03
 DATE: OCT. 2017

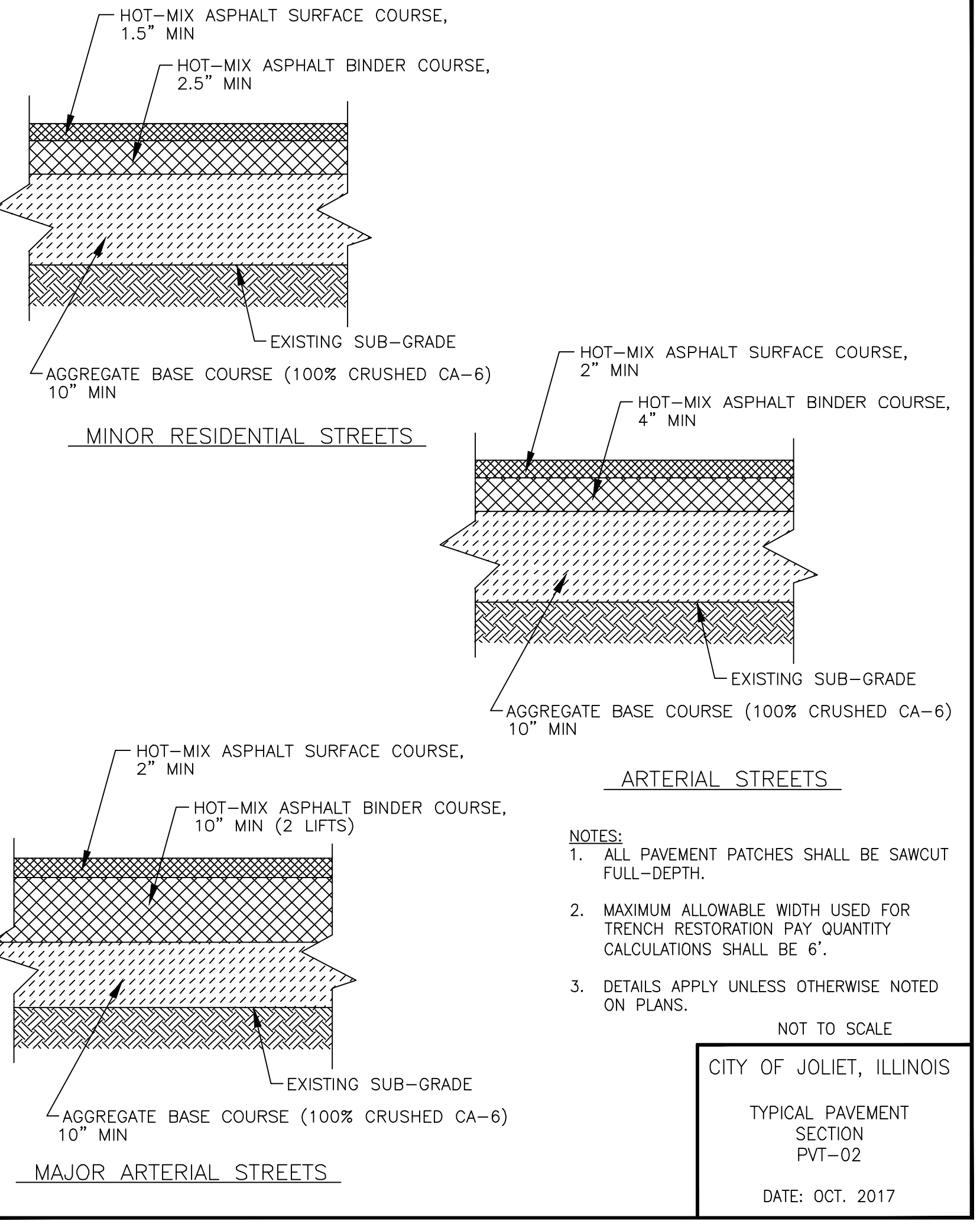


NOTE:
 PROJECT MANUAL REFERS TO "PROJECT SPECIFICATIONS", NOT TO IDOT STANDARD SPECIFICATIONS.

PIPE DIA.	WIDTH
12" OR SMALLER	= 30"
14" TO 18"	= 36"
20" TO 24"	= 42"
27" TO 30"	= 48"
33" AND LONGER	= 0.0. x 1 1/3

FOR PAVEMENT WITH AGGREGATE BASE AND COMPACTED GRANULAR BACKFILL MATERIAL
 ** FOR FLEXIBLE THERMOPLASTIC PIPE COMPLY WITH ASTM D2321, CLASS 1A, 1B, OR II, (IDOT GRADATION CA15)
 FOR RIGID PIPE COMPLY WITH ASTM C12, BEDDING CLASS B.

NOT TO SCALE
 CITY OF JOLIET, ILLINOIS
 TYPICAL TRENCH DETAIL
 PAVEMENT AREA
 AGGREGATE BASE
 GEN-04
 DATE: OCT. 2017



NOTES:
 1. ALL PAVEMENT PATCHES SHALL BE SAWCUT FULL-DEPTH.
 2. MAXIMUM ALLOWABLE WIDTH USED FOR TRENCH RESTORATION PAY QUANTITY CALCULATIONS SHALL BE 6'.
 3. DETAILS APPLY UNLESS OTHERWISE NOTED ON PLANS.

NOT TO SCALE
 CITY OF JOLIET, ILLINOIS
 TYPICAL PAVEMENT
 SECTION
 PVT-02
 DATE: OCT. 2017

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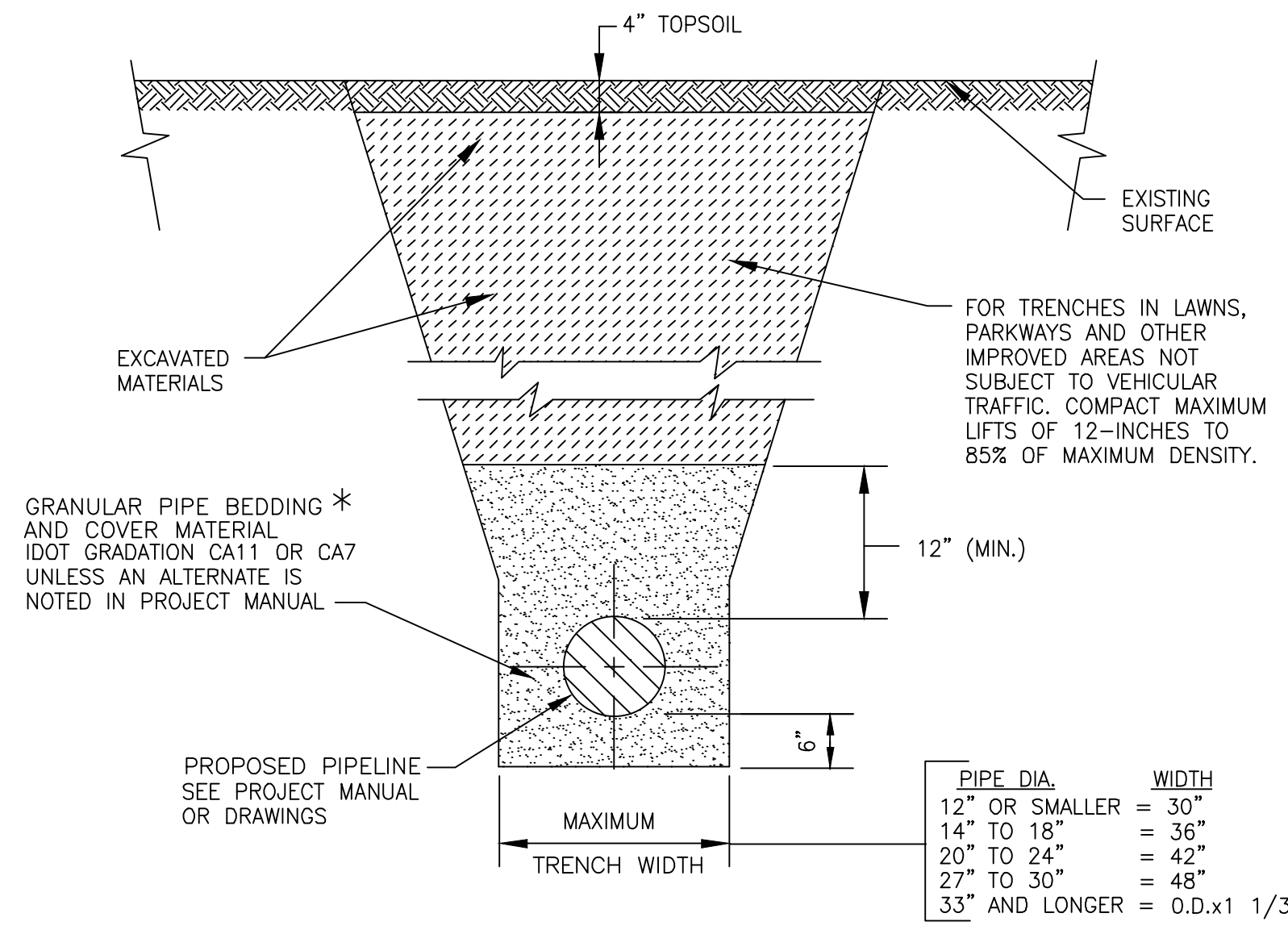
CITY OF JOLIET, ILLINOIS
FOREST PARK PHASE 2 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2532-0121

DETAILS	
SCALE:	AS NOTED
PROJECT NO:	200414.40

DESIGNED -	TOTAL SHEETS	SHEET NO.
ARS	24	22
DRAWN -		
ABN/TJB		
CHECKED -		
LMS		
DATE		
- 10/23/20		

TO BID

- NOTES:
 1. PROJECT MANUAL REFERS TO "PROJECT SPECIFICATIONS", NOT TO IDOT STANDARD SPECIFICATIONS.
 2. FARM FIELDS, GARDENS, AND WETLAND AREAS MAY REQUIRE STRIPPING, STOCKPILING, AND REPLACING ORIGINAL MATERIAL TO A SPECIFIC DEPTH. SEE PROJECT MANUAL OR GENERAL NOTES FOR REQUIREMENTS.



FOR NON-PAVED AREAS

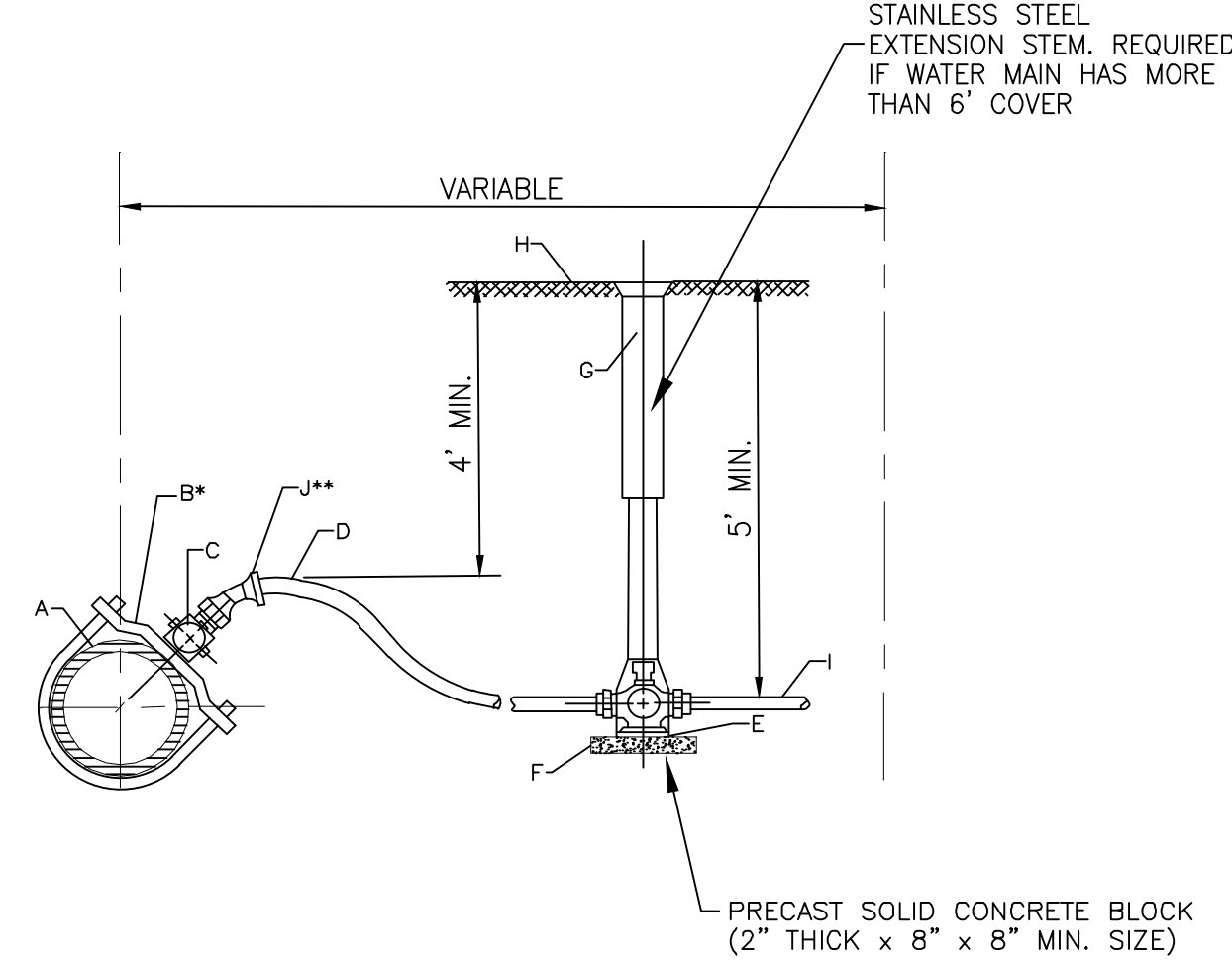
NOT TO SCALE

CITY OF JOLIET, ILLINOIS

TYPICAL TRENCH DETAIL
 NON PAVED AREAS
 GEN-05

DATE: OCT. 2017

* FOR HDPE PIPE COMPLY WITH ASTM 2321, CLASS I OR II.
 FOR RIGID PIPE COMPLY WITH ASTM C12, BEDDING CLASS B.



- *REQUIRED FOR SERVICES LARGER THAN 1"
 **REQUIRED FOR SERVICES WITH LESS THAN 4" COVER

CONSTRUCTION NOTES

- A. WATER MAIN
 B. DUCTILE IRON, EPOXY COATED BODIES WITH DOUBLE ALLOY STEEL STRAPS AND DOUBLE BOLTS (FOUR BOLTS TOTAL). MUELLER DR2A SERIES OR EQUAL
 C. CORPORATION STOP, A.Y. MCDONALD 74701 BQ
 D. SERVICE PIPE, SEAMLESS SOFT TEMPERED COPPER TYPE - TYPE "K" 1" OR LARGER
 E. CURB STOP, A.Y. MCDONALD 76104Q
 F. CONCRETE BRICK SUPPORT
 G. TYLER 6500 WITH BBAF VALVE BOX STABILIZER OR APPROVED EQUAL
 H. FINISHED GRADE
 I. CONNECT TO EXISTING SERVICE, PROVIDE ADAPTERS AS REQUIRED
 J. EIGHTH BEND COMPRESSION COUPLING - UNION

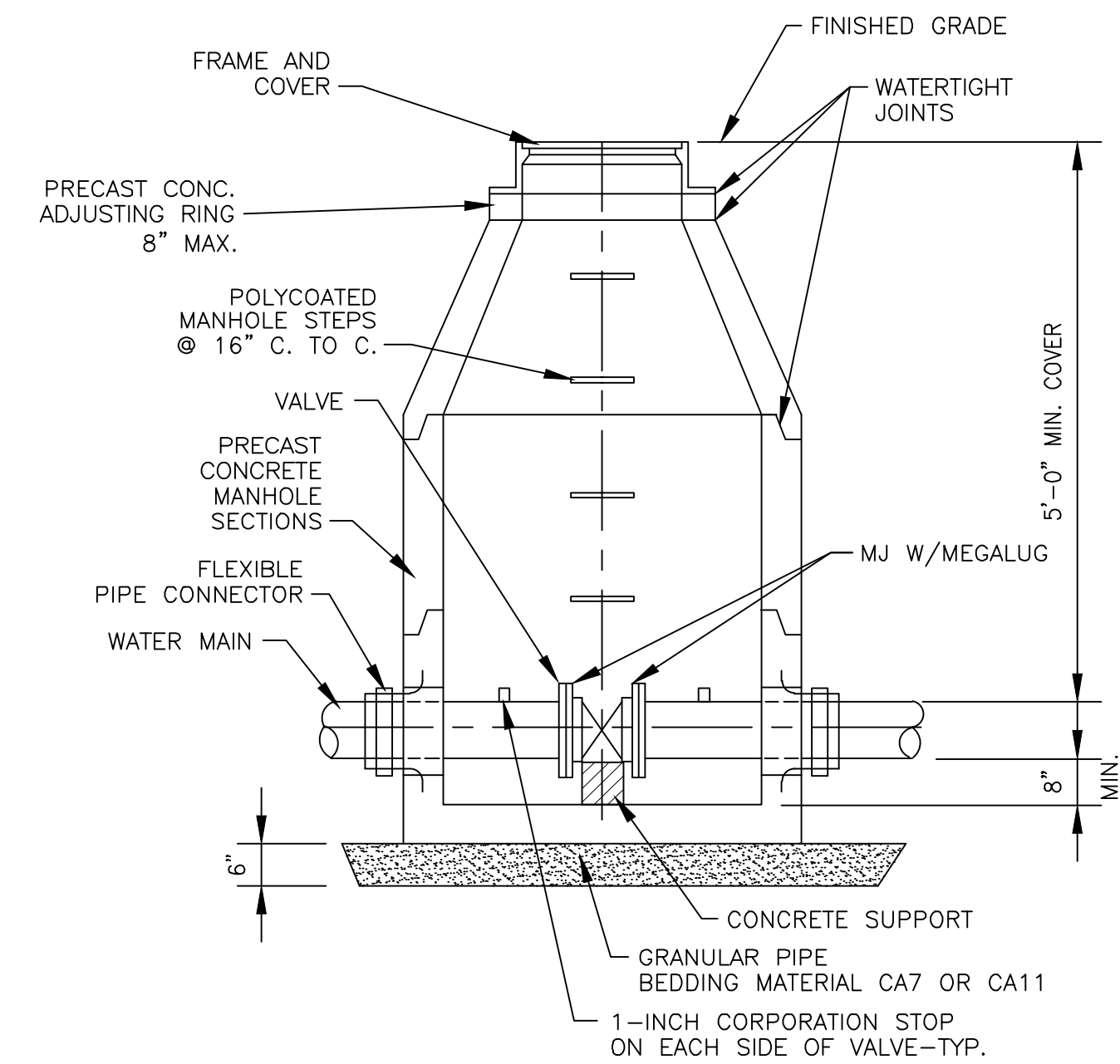
NOTE: FOR 1 1/2" OR 2" SERVICE, ADD ENLARGED BASE FOR SERVICE BOX.

NOT TO SCALE

CITY OF JOLIET, ILLINOIS

WATER SERVICE CONNECTION DETAIL
 WTR-06

DATE: OCT. 2020



NOTES:

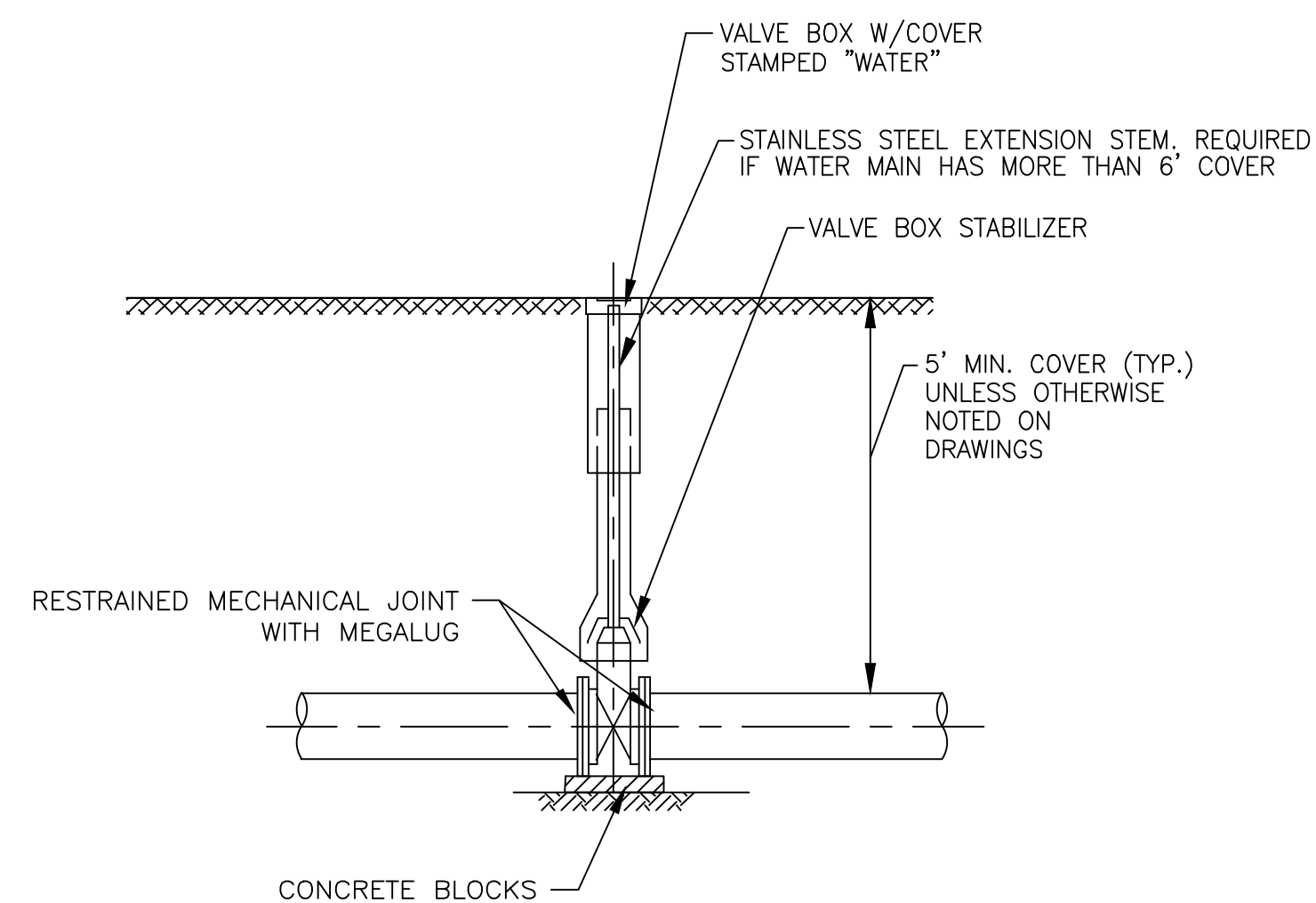
1. CONCENTRIC CONE REQUIRED FOR GATE VALVES, ECCENTRIC CONE REQUIRED FOR BUTTERFLY VALVES.
 2. USE 4'-0" DIAMETER FOR WATER MAIN SIZES 4" THRU 10", 5'-0" FOR SIZES 12" OR GREATER
 3. PROVIDE CAST IRON FRAME AND COVER WITH HEAVY DUTY LID, STAMPED WITH "CITY OF JOLIET" AND "WATER".
 EJ 1050Z1

NOT TO SCALE

CITY OF JOLIET, ILLINOIS

WATER SERVICE VAULT DETAIL
 WTR-01

DATE: OCT. 2017

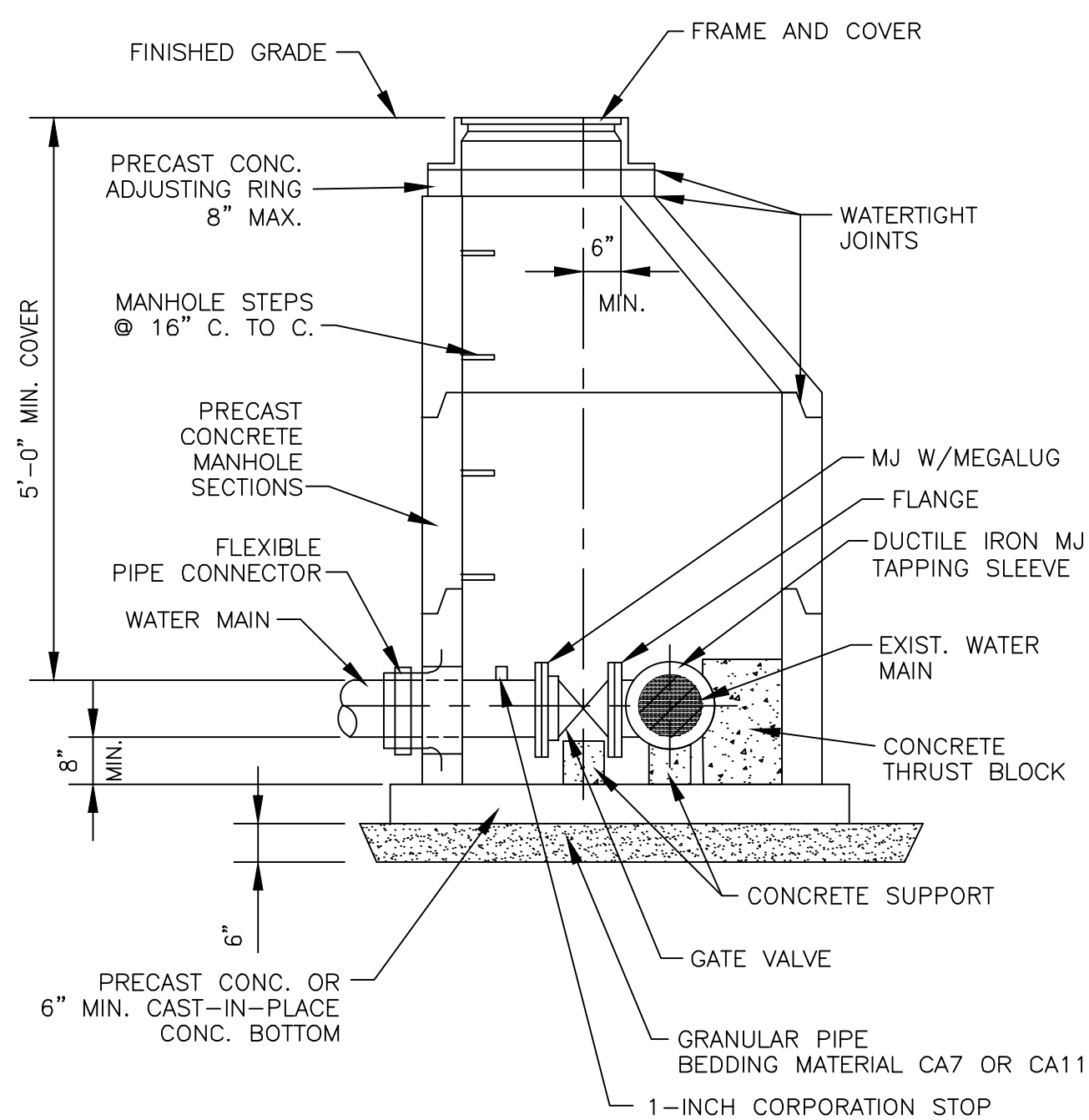


NOT TO SCALE

CITY OF JOLIET, ILLINOIS

WATER VALVE BOX DETAIL
 WTR-02

DATE: OCT. 2017



NOTES:

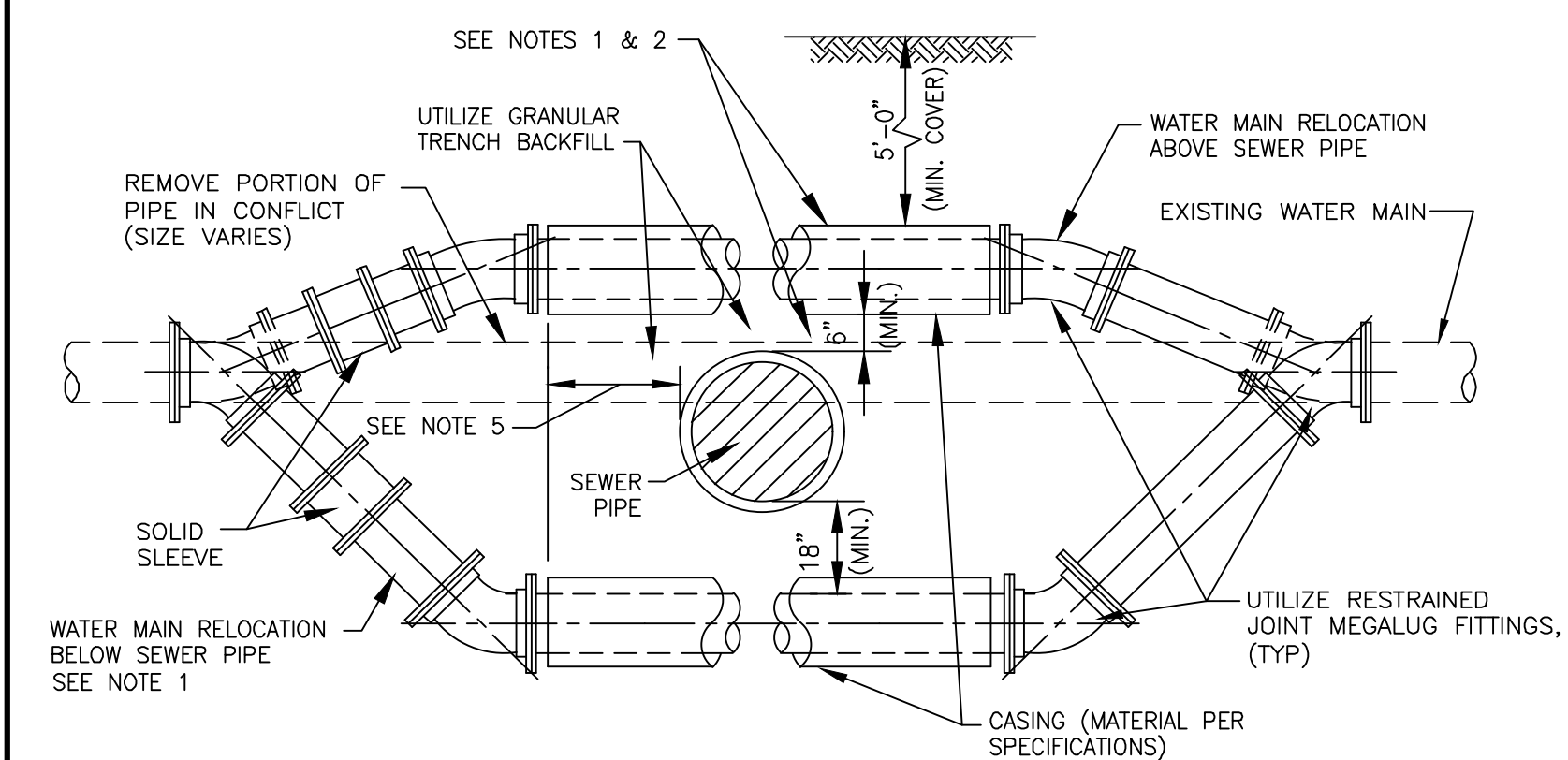
1. ECCENTRIC CONE REQUIRED
 2. USE 4'-0" DIAMETER FOR WATER MAIN SIZES 4" THRU 8", USE 5'-0" DIAMETER FOR WATER MAIN SIZES 10" THRU 14", USE 6'-0" DIAMETER (OR LARGER PER DESIGNER) FOR WATER MAIN SIZES 16" OR GREATER.
 3. PROVIDE CAST IRON FRAME AND COVER WITH HEAVY DUTY LID, STAMPED WITH "CITY OF JOLIET" AND "WATER".
 EJ 1050Z1

NOT TO SCALE

CITY OF JOLIET, ILLINOIS

PRESSURE CONNECTION DETAIL
 WTR-07

DATE: OCT. 2017



- NOTES: 1. ONLY TO BE USED IF WATER MAIN CANNOT CROSS ABOVE PROPOSED SEWER AND MAINTAIN THE REQUIRED 18" OF SEPARATION AS SHOWN ON DRAWING, OR APPROVED BY ENGINEER IN FIELD.
 2. WHEN WATER MAIN CROSSES ABOVE SEWER AND MAINTAINS THE REQUIRED 18" OF SEPARATION, THE CASING PIPE IS NOT REQUIRED.
 3. WATER MAIN RELOCATIONS ARE SUBJECT TO INSPECTION AT NORMAL SYSTEM PRESSURE BEFORE BURIAL.
 4. USE ONLY 45 DEGREE BENDS UNLESS OTHERWISE PERMITTED BY THE ENGINEER.
 5. CASING MUST EXTEND A MINIMUM OF 10 FEET BEYOND OUTSIDE EDGE OF SEWER PIPE - ON BOTH SIDES OF SEWER.

NOT TO SCALE

CITY OF JOLIET, ILLINOIS

WATER MAIN RELOCATION DETAIL
 WTR-05

DATE: OCT. 2017

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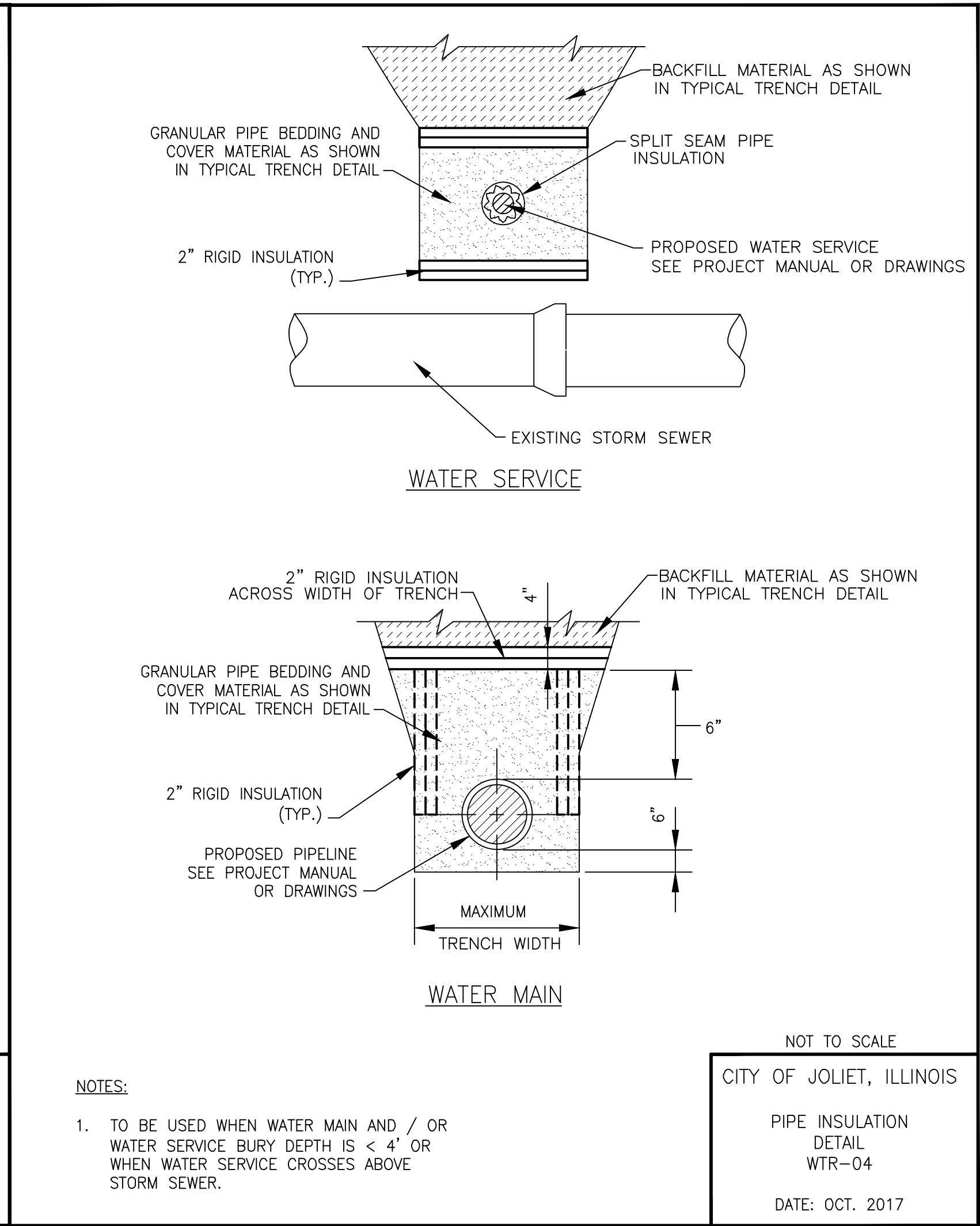
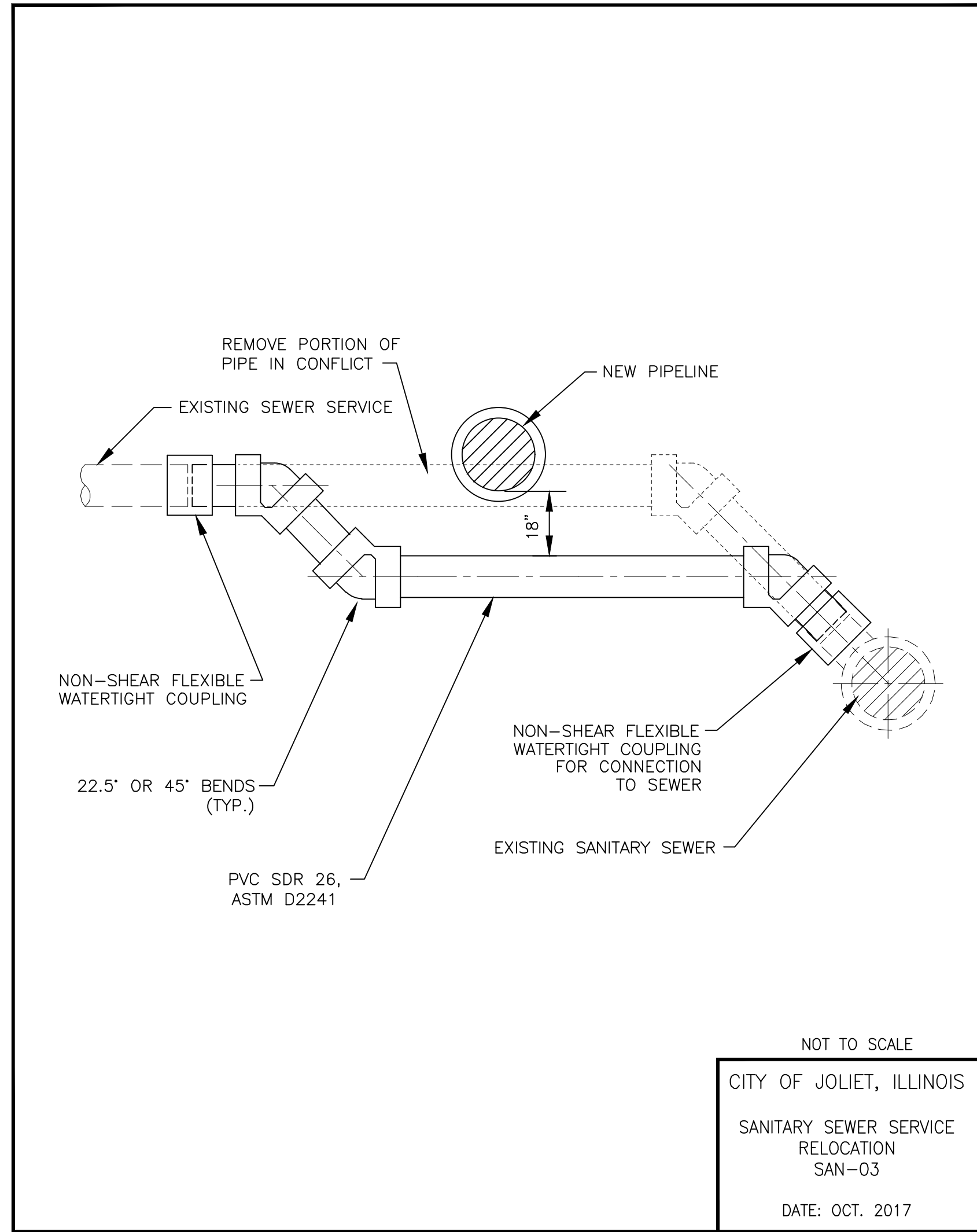
CITY OF JOLIET, ILLINOIS
 FOREST PARK PHASE 2 WATER MAIN IMPROVEMENTS
 CITY OF JOLIET CONTRACT NO. 2532-0121

DETAILS

SCALE: AS NOTED PROJECT NO: 200414.40

DESIGNED - ARS	TOTAL SHEETS	SHEET NO.
DRAWN - ABN/TJB	24	23
CHECKED - LMS		
DATE - 10/23/20		

TO BID



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CITY OF JOLIET, ILLINOIS
FOREST PARK PHASE 2 WATER MAIN IMPROVEMENTS
CITY OF JOLIET CONTRACT NO. 2532-0121

DETAILS	
SCALE: AS NOTED	PROJECT NO: 200414.40

DESIGNED - ARS	TOTAL SHEETS	SHEET NO.
DRAWN - ABN/TJB	24	24
CHECKED - LMS		
DATE - 10/23/20		

TO BID